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An Analysis of Distribution of Mineral Occurrences in British Columbia

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INTRODUCTION

Bulletin 68 deals with distribution of mineral occurrences in British Columbia recorded in an extensive computerized file. The data are displayed graphically and treated statistically and analytically. The authors then discuss, in a tentative way, the meaning of the data to them. The Bulletin includes in its appendices a series of computer-generated maps and an output of all occurrences used as a basis for the maps by commodities and National Topographic System sheet number.

Procedures outlined here deal with locations of mineral occurrences and represent a simple quantitative approach to ranking large areas (for example, tectonic belts) as to general potential for resources of certain metal commodities. Maps showing locations of mineral occurrences represent a basic form of information for developing a practical philosophy relating to exploration and prospecting, for regional resource evaluation, and for land use planning. The British Columbia Ministry of Mines and Petroleum Resources' Mineral Inventory maps were produced partially to fulfill this need. The collection of such data seems routine but normally is complicated by the fact that they must be gathered from a wide variety of sources.

A new dimension is attained when such data are available in computer-processable form, as is now the case for more than 8 000 British Columbia mineral occurrences in a computer-based file, known as MINDEP ABC FILE. This file was developed by the MINDEP research group of the department of Geological Sciences, University of British Columbia. The acronym MINDEP, derived from Mineral Deposits, includes a variety of computer-related mineral deposit studies under the direction of H. R. Wynne-Edwards and A. J. Sinclair. Since the initiation of the MINDEP project in September 1973, its principal direction has been toward design, construction, and utilization of a general and flexible, computer-based filing system that could be applied to all types of mineral occurrences. In addition, the design was to incorporate data for such diverse purposes as metallogenic studies of the Canadian Cordillera, evaluation of resource potential, and as a routine source of information for those involved in mineral exploration. Details of the system are not provided here. The interested reader is referred to articles by Wynne-Edwards and Sinclair (1976), Sinclair *et al.* (1976), and Montgomery *et al.* (1975).

Throughout its existance MINDEP project has been supported and promoted by the British Columbia Ministry of Mines and Petroleum Resources, both in terms of personnel participation and through substantial funding. This Bulletin represents one product resulting from this joint government-university research project. A modified ABC file is now in operational use at the Ministry and is updated yearly.

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MINDEP project was initiated with financial support from the Federal Department of Energy, Mines and Resources through two Research Agreements with H. R. Wynne-Edwards and A. J. Sinclair respectively. Additional funding was provided later from several divisions within Energy, Mines and Resources, specifically the Canadian Centre for Geoscience Data and the Geological Survey of Canada. Individuals within these organizations who have contributed to the success of the MINDEP project include: J. O. Wheeler, W. W. Hutchison, and D. F. Burk, Jr.

Funding in the early stages of MINDEP was also obtained from Industry, principally through a group concerned with the now defunct British Columba Mineral Inventory card index file (popularly known as the Macdonald File) for mineral occurrences in British Columbia. A committee from this group was formed to serve as a liason with MINDEP project and included: A. J. MacDonald, A. D. Drummond, P. A. Christopher, J. E. Rotherham, P. Midgley, J. M. Newell, R. Hewton, J. M. Carr, E. S. Rugg, R. D. Westervelt, and B. Mioduzewska.

The British Columbia Ministry of Mines and Petroleum Resources, an original participant in the Macdonald File, has been involved actively in MINDEP almost since inception of the project. The writers wish particularly to acknowledge the contributions of E. V. Jackson, G. L. James, J. A. Garnett, and J. T. Fyles.

Members of the original MINDEP team contributed substantially to the early success of the project and included J. H. Montgomery, G. H, Giroux, D. F. Symonds, A.C.L. Fox, J. Mullen, and J. Stark. L. Heuftlein has more recently been responsible for all aspects of computer work that bear directly on data contained in this report.

C. I. Godwin offered constructive comments that have improved the manuscript.

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MINERAL COMMODITY OCCURRENCE MAPS

GENERAL STATEMENT

Mineral commodity occurrence maps show geographic positions of known and recorded occurrences of particular types of mineral concentrations. We confine our attention principally to mineral occurrences important for specific contained metals, although some mineral commodities are important for the minerals *per se* rather than the contained metals – chrysotile asbestos is an example. These maps are hereinafter referred to as commodity maps.

Commodity maps are not normally used by geologists. Each deposit or occurrence on commodity occurrence maps is shown with equal hierarchy regardless of the relative economic importance of the deposit. In this respect mineral commodity maps differ from most published metallogenic maps which are based principally on ores or near-ores.

Limited information on the distribution of mineral occurrences in the Canadian Cordillera has been presented in metallogenic studies such as those reported in CIM Special Volume No. 8 and by Sutherland Brown *et al.* (1971). In keeping with metallogenic studies in general, these works are restricted to deposits with known production, and to a much lesser extent to deposits that were uneconomic at the time the papers were written but were large enough and with sufficient grade that they seemed likely to have some economic potential for the near future. As Pelissonnier (1974) has pointed out there is a strong 'economic' input to virtually all metallogenic studies; Noble's (1976) discussion of metallogeny in the western cordillera of North and South America is an example. All these studies have two important features in common:

(1) They considered only the relative giants of the mineral deposits in the areas considered (that is, a highly biased sample), and

(2) the choice of what was to be omitted from consideration was a subjective decision.

Hand-plotted commodity maps have been published by the British Columbia Ministry of Mines and Petroleum Resources, but these show all commodities together on individual maps and do not have the advantage of selective retrieval illustrated by the MINDEP commodity maps in this bulletin. The great potential for the latter maps lies in the fact that they point to areas in which geological processes of concentration have been operative for specific commodities and, hence, where actual ore deposits may also have developed. Furthermore, because small mineral occurrences are important identifiable geological 'oddities,' a map showing all known occurrences of a particular commodity should give us some insight into regions with ore-forming potential. Viewed in this way it is apparent that commodity occurrence maps have something to tell us regarding resource potential and mineral exploration. Furthermore, experience in the past has shown that many large deposits were first known as small showings for a lengthy period before their true potential was recognized. The Sullivan lead-zinc deposit and the Endako molybdenum deposit are well-known examples. For this reason alone small showings and the distribution patterns they exhibit are of paramount importance in thorough studies of resource potential, mineral exploration modelling, and metallogenic studies on various scales.

A considerable strength of commodity occurrence maps is that they are not restricted by prevailing hypotheses that emphasize presumed origins of mineral deposits, or origins in vogue at a particular time. The maps, therefore, are not biased as far as choice of data is concerned.

Mineral commodity maps have limitations, the principal one being that all deposits have the same rank regardless of size, grade, or geological character. However, the commodities themselves have **different ranks** within a single deposit. This ranking is relative and is based on subjective interpretations by the innumerable geologists who have contributed commodity and/or mineralogical information to the various manual files used as sources of information in the construction of MINDEP ABC FILE. Such ranking has a general economic overtone which obviously presents ambiguities over long periods of time, quite apart from sampling problems.

Our maps have had to rely on the subjective decisions of geologists recording information for a deposit. If chalcopyrite was the dominant mineral with minor amounts of molybdenum, the deposit is recorded as a copper occurrence with molybdenum as the second-rank commodity. In general, such decisions are straightforward and are based on reports of mineralogical examination which commonly are accompanied by supplementary assay information. In some cases, however, assay information is essential for a realistic decision as to principal commodities – gold and silver deposits are particularly good examples of this problem. The principal concern then becomes one of commodities that have been omitted from property descriptions. With minor exception these are probably not the principal commodities. Consequently, their absence will not particularly affect patterns obtained from high-rank commodities.

Another problem is the ingrained tendency of geologists to speak (and write) of deposits in a particular way despite the mineralogy. For example, in a given area deposits with galena and sphalerite might be spoken of traditionally as lead-zinc deposits regardless of whether galena or sphalerite was dominant. If recognized, this difficulty can be offset to some extent by considering dual commodity maps, for example, all occurrences in which lead and zinc are important regardless of which might be the higher apparent rank of the two metals.

A fundamentally sounder approach for appropriate metals would be to divide average grades by corresponding clarkes, and then rank commodities relative to their concentration ratios. Unfortunately, appropriate information is available for only a small number of deposits, so this procedure fails in practice. In addition, published grades generally are not representative until extensive exploration work has been done.

In spite of these limitations, mineral commodity occurrence maps provide a useful means of examining geographic distribution patterns of mineral occurrences. Our procedure is to present the raw data as maps and in tabulated form, to provide a regional quantitative analysis of the density of occurrence, and, finally, to consider some of the geological and other implications of various recognizable patterns.

COMPUTER–GENERATED COMMODITY MAPS

Commodity occurrence maps reproduced here in Appendix I are direct copies of Calcomp plotter output based on selective retrievals from the MINDEP ABC FILE which contains information for more than 8 000 mineral occurrences in British Columbia. Base map chosen was the Lambert conic conformable projection to permit easy comparison with a variety of geological maps published by the Geological Survey of Canada (for example, GSC Map 1250A). Original output was at a scale of 1:5 000 000 so that maps could be overlaid on a published geological map to aid interpretation of patterns on the commodity occurrence maps; however, output is possible at a wide range of scales.

The commodity maps are preceded by two maps (Maps 1 and 2) that provide respectively specific geographic reference points and the grid used in contouring. Only major geographic features are included on commodity maps in order that the maps not be cluttered and patterns of occurrence distribution not be obscured. Geographic references common to all maps include:

(a) boundary and coastline of the province of British Columbia,
(b) the corners of NTS sheets,
(c) Fraser, Stikine, Skeena, and Liard Rivers,
(d) boundaries of the five principal tectonic belts of the Cordillera of British Columbia.

After considerable experimentation involving scale, symbols, combinations of selection criteria, and various choices of geographic reference points, we produced the selection of commodity maps that is reproduced here.

The maps include single and multiple commodity maps that can be further subdivided on the basis of ranking of commodities within individual deposits. A list of all commodity maps included in this report is presented in Table 1 along with a brief outline of the criteria used to extract the subset of data on which each map is based.

TABLE 1

LIST OF COMPUTER PRODUCED MAPS IN APPENDIX I

Map No.	Selection Criteria (based on commodity and rank)
3	Cu as first commodity
4	Cu and Mo as the first two commodities in either order
5	Cu-Zn and Zn-Cu deposits are indicated by different symbols*
6	Cu as first commodity with Mo present as any other rank
7	Mo as first commodity
8	Mo as first and second commodity are indicated separately
9	Mo as first commodity with Cu present as any other rank
10	Pb as first commodity
11	Pb as first commodity distinguished from Pb as second commodity
12	Zn as first commodity
13	Zn as first commodity distinguished from Zn as second commodity
14	Pb-Zn or Zn-Pb deposits distinguished with respect to presence or absence of Ag*
15	Ag as first commodity
16	Au as first commodity in lode deposits
17	Au as first, second, or lower rank (distinguished) in lode deposits
18	Au first rank deposits separated into those containing Ag and those in which Ag is not recorded
19	Hg distinguished as to first, second, or lower rank
20	AB (asbestos) as first, second, or lower rank
21	Ni distinguished as to first or second rank
22	Co all occurrences regardless of rank
23	Sb distinguished as to first or second rank
24	As distinguished as to first, second, or lower rank
25	Sn distinguished as to first, second, or lower rank
26	W distinguished as to first, second, or lower rank
27	U distinguished as to first, second, or lower rank
28	Cu as first commodity contoured at 1, 5, and 20 occurrences per NTS 1:50 000 map area
29	Pb as first commodity contoured at 1, 5, 10, and 15 occurrences per NTS 1:50 000 map area
30	Mo as first commodity contoured at 1, 5, and 20 occurrences per NTS 1:50 000 map area

*Cu-Zn: this hyphenated form as used in this report implies Cu first rank and Zn second rank.

In addition to dot density maps we have experimented briefly with contour maps for some of the commodities with a large number of occurrences. The geographic centre of each NTS 1:50 000 map area was used as a contouring grid (Fig. 2) and the number of

occurrences of a particular commodity in corresponding 1:50 000 NTS map areas was assigned to these points. The grid of data thus obtained was contoured using software available from the University of British Columbia Computing Centre. An advantage of these contour maps is that they provide a simplified outline of trends and allow one to emphasize visually and in a quantitative way, areas with high densities of occurrences. Contour maps appear to provide no useful advantage for commodities with less than several hundred occurrences.

We have adopted a simple and approximate contouring procedure in which the 'window' or area over which commodities are summed to produce a data grid for contouring (NTS 1:50 000 map sheets), varies in size from north to south in the Province. This arises from the fact that the map sheets are bounded by longitudes and latitudes. Nevertheless, the total range in area is only about 12 per cent on either side of an average 'window' area of about 175 square miles. Such maps, particularly if contoured in a more rigorous manner provide a general framework for considering resource potential and land use studies.

Appendix II, a direct copy of computer output, lists all properties used as a base for each of the accompanying commodity maps. The Mineral Inventory map series available from the British Columbia Ministry of Mines and Petroleum Resources shows many commodities on a single map and serves as a useful cross-index for locating particular mineral occurrences listed in Appendix II.

SOME OBSERVATIONS

Study of the mineral commodity occurrence maps quickly reveals several important features of mineral deposit distribution in the Province. Many of these have been commented on by previous authors; some have not. The qualitative analysis that follows will look at some of them in detail.

(1) Mineral occurrences are not spread evenly throughout the Province nor throughout any of the principal tectonic belts.

(2) Local concentrations or clusters of known mineral occurrences are common. Many individual mining camps stand out as high concentrations of occurrences surrounded by lower concentrations.

(3) There are variable patterns of clustering for different commodities throughout the Province, from one tectonic belt to another, and within a single tectonic belt.

(4) Large areas exist with no occurrences of any of the commodities considered here, for example, Bowser Basin, large areas of Tertiary volcanic cover in the central part of the Province, and the axial zone of the Coast Plutonic Complex.

The Bowser Basin is essentially devoid of mineral deposits except around its margin. This is probably because the basin developed prior to periods of extensive mineralization, and formed too thick a barrier to be penetrated by intrusions associated with later important stages of plutonism and mineralization.

The northwesterly trending central core of the Coast Crystalline Belt is essentially devoid of metallic commodity occurrences. Within the Coast Crystalline Belt metallic occurrences are localized along the eastern and western margins especially in the northern and southern parts of the Province, but there is an obvious gap in an intermediate zone north of latitude 52 degrees north, centred roughly on Bella Coola, where even the margins of the Coast Plutonic Complex have few associated metallic occurrences (for example, copper, molybdenum, gold, and silver commodity maps). The absence of mineralization must be related to large expanses of deep-seated intrusive masses from which the metals considered here have been extracted preferentially, probably by partitioning into mobile fluid phases during emplacement and consolidation of the plutonic masses. This interpretation is consistent with the suggestion by Hutchison (1970) that the intermediate zone has been more uplifted and eroded than have the northern and southern zones, and thus represents a deeper seated level of plutonism.

(5) Pronounced regional patterns exist on a scale larger than individual mining camps, that is, a scale of 1000's of km^2 and commonly related to known geological features. Examples are:

(a) concentrations of deposits along the marginal zones of the Coast Plutonic Complex;

(b) the abundant deposits of the Stikine and Skeena arches;

(c) the north-south linear trend of lead and zinc occurrences in northern part of the Eastern Marginal Belt generated by the interplay of stratigraphic sequences, tectonics, and facies changes related to the paleocontinental shelf edge;

(d) the concentration of mercury occurrences along the Pinchi fault; and

(e) nickel along the Insular-Coast, Coast-Intermontane, and Intermontane-Omineca 'fault' boundaries between major tectonic zones.

The location of the Stikine and Skeena arches are particularly well shown on several commodity maps by clusters of deposits of copper and molybdenum. Curiously, however, only the Skeena arch shows clear concentration of lead, zinc, gold, and silver, these being sparsely represented in the Stikine arch to the north. To a large extent these arches are emphasized by the blank areas of the Bowser Basin and plateau basalts that frame them.

(6) Certain metals have distributions particularly worthy of comment:

Copper occurrences are very numerous and widespread. They are more than twice as abundant per unit area in the exposed parts of the Insular Belt than in any other tectonic belt. This may reflect the large number of different types of copper deposits represented in the Insular Belt, compared with the bias toward porphyry-type deposits in the Intermontane Belt which has the second-highest density of copper occurrences. The very high number of copper occurrences in these two tectonic belts compared with the remainder of the Province is in line with a close genetic association between many classes of these deposits and volcanic and plutonic rocks of the calc-alkaline variety – in both cases the dominant lithologies of these two regions.

Molybdenum occurrences are most abundant within the Intermontane Belt and the eastern margin of the Coast Crystalline Belt.

A general regional association of tin with tungsten is apparent and is centred in the Omineca Belt.

Arsenic as a principal commodity is particularly characteristic of the Insular Belt.

3

QUANTITATIVE APPROACH TO REGIONAL ANALYSIS OF MINERAL COMMODITY OCCURRENCE DATA

One of the main advantages of the maps included here is to show relatively the extent to which concentration processes of economic potential have been operative from one tectonic belt to another. On a broad regional scale the maps can be examined visually and interpreted subjectively in light of geological information. Such an approach is natural to geologists and is attempted elsewhere in this report. Here we consider some quantitative aspects of the information illustrated in Maps 3 to 30 inclusive.

It should be noted that occurrences range in size over several orders of magnitude whether the standard of measurement be tons of mineralized rock, total contained metal, dollar value, or other. Hence, an occurrence indicates little regarding the extent or scale of operation of the concentration processes but does indicate that concentration processes have been operative on a scale that can be recognized visually. Mineral occurrence data itself is a variable that warrants thorough evaluation. The amount and completeness of information on locations of mines and mineral occurrences of a wide range of sizes, readily accessible in the MINDEP ABC FILE for the British Columbia Cordillera, make this possible for the first time.

Occurrence data illustrated on commodity distribution maps can be summarized in contingency tables such as that of Table 2 which contains a very large subset, about 80 per cent, of the total records contained in MINDEP ABC FILE. The 20 per cent of the data not considered here includes non-metallic commodities such as coal, asbestos, gemstones, etc., and properties for which no commodity information was available. The only metal of noteworthy economic significance not included in the table is iron. Table 2 is based only on most important commodity. Thus, a copper-molybenum-gold deposit is considered only as a copper deposit.

TABLE 2

CONTINGENCY TABLE SHOWING NUMBERS OF LODE METAL OCCURRENCES IN BRITISH COLUMBIA AS A FUNCTION OF PRINCIPAL TECTONIC BELT*

	Insular	Coast	Intermontane	Omineca	Eastern	Total
Molybdenum	14	72	233	65	0	384
Copper	475	305	1 657	313	120	2 870
Silver	39	76	352	570	16	1 053
Lead	4	29	160	326	35	554
Zinc	25	23	52	78	20	198
Nickel	2	15	15	10	0	42
Cobalt	7	4	8	4	2	25
Uranium	0	2	8	11	1	22
Tungsten	1	9	26	27	1	64
Tin	0	0	2	2	0	4
Antimony	4	14	7	2	0	27
Gold (Lode)	189	284	461	406	11	1 351
Mercury	1	15	55	1	0	72
Arsenic	4	1	1	0	0	6
TOTALS	765	849	3 037	1 815	206	6 672

*Selective retrieval from Mindep ABC File, August 1976.

Real differences exist in average areal densities of known commodity occurrences from one tectonic belt to another. This generalization, long recognized in a qualitative way, has now some numerical basis of support. We can test this with the unlikely hypothesis that all tectonic belts are characterized by an equal density of certain precious and non-ferrous metal occurrences, or, in other words, that deposits are randomly distributed throughout the Cordillera. To do this, data in Table 2 can be analysed by a simple chi square (χ^2) test in which a comparison is made between observed values of occurrences in each tectonic belt and corresponding expected values that are proportional to areas of land surfaces of each belt.* Necessary information is summarized in Table 3, where it can be seen that the calculated χ^2 value of 340.3 greatly exceeds the critical value of 5.0 at the 99.5 per cent level. Calculated chi square values greater than the critical value are highly unlikely and indicate significant departures of real data from the model with which the data are compared. Hence, there is virtually no possibility that the known mineral occurrences in British Columbia represent a random sample from tectonic belts with the same areal density of deposits. Comparable tests done on individual commodities of Table 2 for which data fulfill requirements of the chi square test (molybdenum, copper, silver, lead, zinc, and gold) show equally convincing disparities from one tectonic belt to another. Formal results are not presented for individual metals.

*The chi square value is a general measure of the extent to which observed values depart from values expected according to some chosen model (equal density of mineral occurrences in all tectonic belts in this case). A critical chi square value is based on the sampling distribution of χ^2 values, and the chosen level of the statistical test (that is, the probability of a Type I error).

TABLE 3

SUMMARY OF CHI SQUARE (χ^2) TEST OF THE HYPOTHESIS THAT KNOWN MINERAL OCCURRENCES REPRESENT RANDOM SAMPLES OF EQUIVALENT OCCURRENCE DENSITIES IN MAJOR TECTONIC BELTS

Tectonic Belt	Insular	Coast	Intermontane	Omineca	Eastern	Cordilleran British Columbia
Porportion of area of Cordilleran British Columbia ...	0.059	0.164	0.431	0.187	0.159	1.0
Total recorded occurrences	765	849	3037	1815	206	6672
Expected occurrences	393.7	1094.2	2875.6	1247.7	1060.8	6672
χ^2	350.2	55.0	9.1	257.9	688.9	1361.0

d.f. = 4; χ^2/d.f. = 340.3

An important question to be considered is the cause of disparity of occurrence-densities from one belt to another. There are, of course, a great many reasons for such differences and we generalize them as follows:

(1) real geological variations from one tectonic belt to another;

(2) biased sampling resulting from variations in proportion of outcrop and volcanic cover among tectonic belts;

(3) variable intensity of exploration (including variable methodology in reporting occurrences).

From a geological point of view we are interested in possible real variations that exist in the distribution of mineral occurrences. The existence of real variations can be obscured by other effects that must somehow be taken into consideration for best use of occurrence-density data. In a general way we can assume that intensity of exploration has been relatively uniform across the southern part of the Province. Similarly, we might argue that exploration although much less thorough in the north than in the south, has also been of more-or-less uniform intensity across the northern part of the Province. Thus, it would seem that the variable 'intensity of exploration' should not introduce a serious bias to commodity occurrence-densities if comparisons are to be made across the northwesterly tectonic trend of the Cordillera as we are doing in comparing data for various tectonic belts.

The problem of variations in amount of rock exposure, or, conversely, the amount of 'cover,' from one tectonic belt to another is more difficult to deal with. There are two distinct aspects to the problem: the first concerns the amount of unconsolidated overburden of whatever origin (glacial, alluvial, etc.); the second is large areas covered by apparently unmineralized rock sequences. This latter point relates particularly to the

Intermontane Belt where two large areas are essentially devoid of known mineral occurrences. One is centred on the Bowser Basin and the other is in the central portion of the belt which is largely covered by a thin sequence of young volcanic rocks. We have assumed that this problem of variable amounts of such cover will not obscure large real variations in the regional distribution of commodity occurrences due solely to variable amounts of cover.

We have calculated densities per unit area for each tectonic belt (Table 4) using as a standard the number of occurrences per 1000 km^2. British Columbia is 948 597 km^2 including part of the Interior platform in the Peace River area. The area of Cordilleran British Columbia is estimated to be 844 000 km^2 and relative proportions of each tectonic belt (Table 2) form the basis of the density calculations summarized in Table 4. These average occurrence-densities demonstrate in a realistic and quantitative manner the general high level of metal occurrences in the Insular and Omineca tectonic belts relative to the remainder of the Province, although, as implied previously, the value for the Intermontane Belt may be somewhat underestimated.

TABLE 4

DENSITY PER UNIT AREA FOR EACH TECTONIC BELT

Tectonic Belt	Insular	Coast	Intermontane	Omineca	Eastern	Cordilleran British Columbia
Porportion of area of Cordilleran British Columbia	0.059	0.164	0.431	0.187	0.159	1.0
Area (km^2/1000)	49.8	138.4	363.8	157.8	134.2	844.0
Average density* of mineral occurrences	15.4	6.1	8.4	11.5	1.5	7.9

*Based only on totals of Table 2.
Units are number of occurrence per 1000 km^2.

Data of Table 4 permit Table 2 to be reconstituted into individual commodity occurrence-densities (Table 5). Each numerical entry in Table 5 has been calculated in the same manner as average occurrence densities of Table 4. These commodity occurrence-densities are useful for comparing occurrences of a single commodity from one tectonic belt to another because they have been corrected for size disparity of tectonic belts. Each column also indicates (as in Table 2) the absolute and relative abundances of various commodities within a single tectonic belt that can be expected through chance (assuming that the sample is representative). The data of Table 5 are useful in other ways. Column 3 of Table 5, for example, shows that copper and gold represent the most numerous commodity occurrences as lode deposits in the Coast Crystalline Belt. However, the figures mask the relative 'goodness' of the Coast Crystalline Belt for nickel, molybdenum, mercury, and arsenic as compared with the other tectonic zones and overemphasize copper relative to other metals. Table 6 corrects this problem: data from Table 5 are

recalculated as 'relative' commodity densities by dividing individual commodity densities by the relevant **average** commodity density for the whole of British Columbia (column 7, Table 4). Column 3 of Table 6 now reveals that the Coast Crystalline Belt is characterized by **higher than average** occurrence-densities for nickel, molybdenum, gold, mercury, and arsenic (that is, their relative occurrence-densities are greater than 1.0). Of equal significance is the fact that the relative occurrence-density for copper is very low (that is, ignoring the possibility of extreme clustering of copper occurrences there are better places in the Province to find copper occurrences and hence major copper deposits).

TABLE 5

COMMODITY OCCURRENCE–DENSITIES FOR TECTONIC BELTS IN BRITISH COLUMBIA (NUMBER OF OCCURRENCES/1000 km^2)

Commodity	Insular	Coast	Intermontane	Omineca	Eastern	Cordilleran British Columbia
Molybdenum	.281	.520	.641	.412	----	.455
Copper	9.538	2.204	4.555	1.984	.894	3.401
Silver	.783	.549	.968	3.612	.119	1.248
Lead	.080	.210	.440	2.066	.261	.656
Zinc	.502	.166	.143	.494	.149	.235
Nickel	.040	.108	.041	.063	----	.050
Cobalt	.141	.029	.022	.025	.015	.030
Uranium	----	.015	.022	.070	.008	.026
Tungsten	.020	.065	.072	.171	.008	.076
Tin	----	----	.006	.013	----	.005
Antimony	.080	.101	.019	.013	----	.032
Gold (Lode)	3.795	2.052	1.267	2.573	.082	1.601
Mercury	.020	.108	.151	.006	----	.085
Arsenic	.080	.007	.003	----	----	.007
TOTALS	15.4	6.13	8.35	11.50	1.54	7.91

TABLE 6

RELATIVE COMMODITY OCCURRENCE–DENSITIES FOR TECTONIC BELTS IN BRITISH COLUMBIA

Commodity	Insular	Coast	Intermontane	Omineca	Eastern	Cordilleran British Columbia
Molybdenum	0.62	1.14	1.41	0.91	0	1
Copper	2.80	0.65	1.34	0.58	0.26	1
Silver	0.63	0.44	0.78	2.89	0.10	1
Lead	0.12	0.32	0.67	3.15	0.40	1
Zinc	2.14	0.71	0.61	2.11	0.64	1
Nickel	0.80	2.16	0.82	1.26	----	1
Cobalt	4.70	1.00	0.73	0.83	0.50	1
Uranium	0	0.58	0.85	2.69	0.30	1
Tungsten	0.26	0.86	0.95	2.25	0.11	1
Tin	0	0	1.20	2.60	0	1
Antimony	2.50	3.16	0.59	0.41	0	1
Gold (Lode)	2.37	1.28	0.79	1.61	0.05	1
Mercury	0.24	1.27	1.78	0.07	0	1
Arsenic	11.43	1.00	0.43	0	0	1

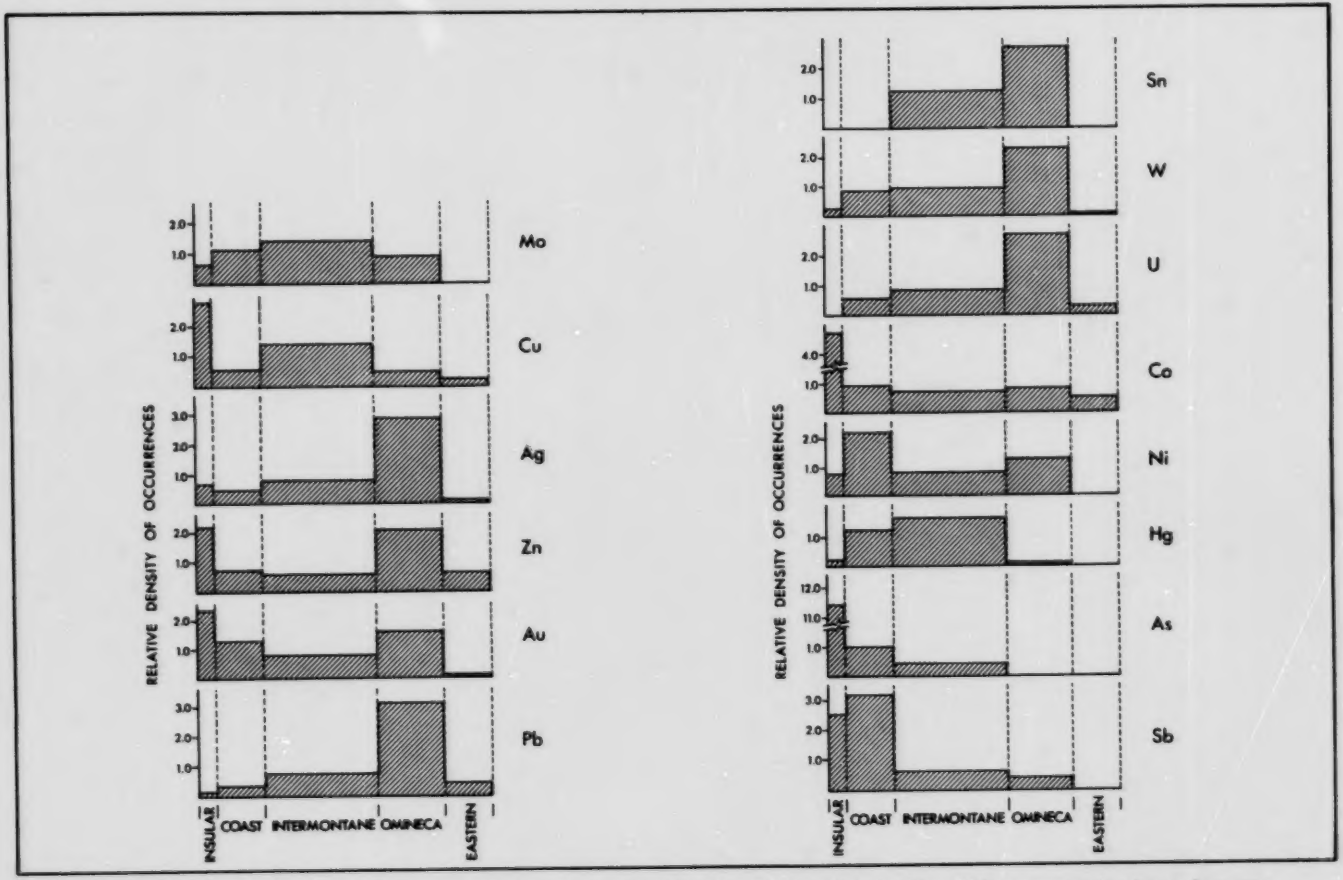

Figure 1. Bar graphs showing relative density of mineral occurrences for the major tectonic belts. (Bar widths are proportional to surface area. In all cases a relative density of 1.0 equals average for Cordilleran British Columbia.)

Relative occurrence-densities are a useful means of examining metal distribution patterns across the Canadian Cordillera. These densities are plotted in bar graph form on Figure 1. Seven distinctive patterns are recognizable which are generalized on Figure 2. Note that the distance coordinates in bar graphs and generalized patterns of Figures 1 and 2 show widths of various tectonic belts proportional to areas of the belts. The resulting patterns are comparable to and consistent with various patterns relating to deposit-type and soil and silt geochemistry described previously by Sutherland Brown (1974; 1976). These general correlations have implications concerning resource potential that are considered in a later section.

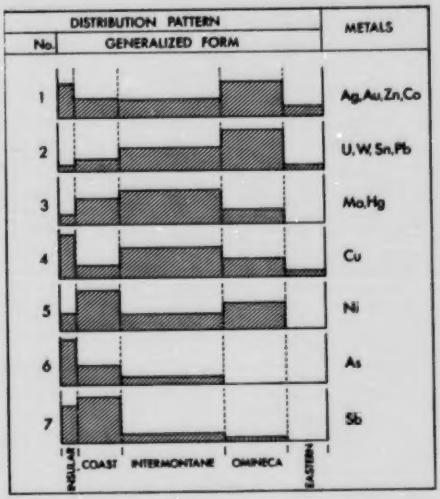

Figure 2. Bar graphs showing the seven distinctive patterns of relative densities and corresponding metals. (Bar heights show relative density of mineral occurrences qualitatively.)

Most commodities in the Intermontane Belt have relative occurrence-densities near 1.0, the average value for Cordilleran British Columbia (zinc and arsenic are the two most notable exceptions). This consistency and the large area of the Intermontane Belt have contributed substantially to the interest the belt has had over the years for explorationists. If two large areas essentially barren of mineral deposits, the Bowser Basin and the central area of young plateau basalts, were removed from the density calculations, relative densities would be less than 10 per cent greater.

Table 6 can be used to characterize tectonic belts by the commodities which have an above average occurrence-density. These commodities, summarized in Table 7, represent one result of a quantitative approach to evaluating regional resource potential of British Columbia. We have been able to rank commodities both within and between major tectonic belts. It is of interest to note that the Omineca Belt appears to have a relatively high resource potential for the greatest number of metals and that the Eastern Marginal Belt has the lowest overall potential. The high level of exploration activity in the Intermontane Belt over the past 15 years is reflected in the high occurrence-densities for copper and molybdenum (principally of the porphyry type). The principal conclusion to

be drawn from this analysis is that concentration processes of the type that form economic mineral deposits are most in evidence in the Insular, Omineca, and Intermontane Belts. Furthermore, the Omineca Belt contains the greatest diversity of characteristic metal occurrences. These conclusions are not different in their generalities from those reached by geologists using more subjective analysis. The principal advantage of the approach taken here is to provide some quantification from a different and more generally available source of data than that used by others.

TABLE 7

MINERAL COMMODITIES CHARACTERISTIC* OF MAJOR TECTONIC BELTS

Tectonic Belt	Characteristic Commodities Based on Total Number		
	< 100	11 – 100	> 10
Insular	Cu, Au	Zn	*As, Co*
Coast	Au	Ni, Hg, Mo	*As*
Intermontane	Mo, Cu	Hg	*Sn*
Omineca	Pb, Ag, Zn, Au	U, W	*Sn*
Eastern	---	---	---

*A characteristic commodity is taken arbitrarily as one with a relative occurrence-density greater than 1.0, the average for Cordilleran British Columbia.

This regional analysis of commodity occurrence-densities has been done virtually independently of detailed geological parameters. The only important geological input to the approach thus far is the basis for division of Cordilleran British Columbia into tectonic belts (*see* Sutherland Brown *et al.*, 1971) and the basic premise that occurrence-densities for metal commodities have a direct empirical relationship to the relative importance of concentration processes that can lead to the formation of economic mineral deposits. **The procedures represent a simple quantitative approach to ranking large areas (tectonic belts) in terms of general potential for the occurrence of certain metal resources.** Ranking is on a unit area basis, in this case a unit of 1000 square kilometres. It should be apparent that the figures have only relative value because the number of occurrences at any given time is a function of several variables including exploration intensity and is always less than the total number by an unknown amount. Certain types of deposits are not well represented, or at least, not well recognized among the total occurrences considered. For example, exploration for lead/zinc deposits in carbonates and shales, and volcanogenic sulphide deposits, has not been as thorough as has exploration for molybdenum and/or copper porphyry-type deposits, and this must be recognized in evaluating the data.

SUMMARY

(1) Densities of metal commodity occurrences per unit area vary from one tectonic belt to another in a statistically significant way.

(2) Relative occurrence-densities for different metal commodities differ widely within the same tectonic belt.

(3) Relative occurrence-densities for a given metal vary widely between tectonic belts.

(4) Each tectonic belt is characterized by commodities whose areal occurrence-densities are greater than the average for the entire cordilleran region of British Columbia (that is, relative occurrence-densities are greater than 1.0).

(5) These 'characteristic' metal commodities are those that would appear to present greatest resource potential in their respective tectonic belts.

(6) The greatest **diversity** of high relative occurrence-densities (that is, the greatest number of characteristic metal commodities) is in the Omineca Belt.

(7) The conclusions reached here are generalizations only and must not be interpreted too rigorously. For example, the Eastern Marginal Belt which ranks low in all relative occurrence-densities cannot be ignored completely with regard to mineral potential as it has very obvious potential for lead and zinc in shales and carbonates.

4

DISCUSSION

MINERAL RESOURCE POTENTIAL

We envisage that a thorough understanding of mineral commodity maps will provide a useful adjunct to evaluation of mineral resource potential. The maps have the advantage of being easily comprehensible and might well form one basis for educating the public regarding mineral potential in the Province.

Mineral commodity maps provide a clear and simple means of outlining areas that have high densities of known mineral occurrences. In general, these same areas also have relatively high mineral potential compared with areas of no occurrence and a qualitative evaluation of relative potential can be made visually by examining dot density maps. Alternatively, one can simply outline areas of known occurrences subjectively, regardless of variable densities, thus distinguishing areas with occurrences from those without.

A more quantitative approach can be achieved by contouring dot densities averaged over some acceptable unit of area. We have attempted this for several commodities (Maps 28 to 30) principally as a means of simplifying maps with a large number of occurrences. It is apparent though, that such maps also represent one approach to defining areas in which metal concentrating processes have acted with differing intensities; thus, such contours might be used to provide a local crude indication of relative resource potential. Because of the great disparity in intensity of exploration from north to south one cannot make such comparisons over great distances. For example, a specific contour in the north cannot be equated with the numerically equivalent contour in the south.

In a single tectonic belt it seems reasonable to expect that some areas of cover would contribute a comparable density of mineral occurrences beneath the cover as do areas of more exposure. Such might be true for the central part of the Intermontane Belt where it is covered by Tertiary plateau volcanic rocks. A similar type of argument can be applied to expected densities of mineral occurrences in the northern, relatively unexplored part

of the cordillera as compared with the southern, more intensely explored part. Thus, large, relatively well-known areas can be used as models against which to measure mineral occurrence potential of more poorly known areas in a quantitative manner. The procedure is based on all available occurrence data rather than the more extreme type of sample represented by an arbitrary group of 'principal' and/or economic deposits. The correspondence of occurrence-densities and mineral production shown in a later section allows us to extend this conclusion to the effect that expected occurrence-densities in areas of cover or sparse exploration provide a relative indication of resource potential. Such measures can be estimated individually for all appropriate commodities.

The foregoing argument seems to apply reasonably on a regional scale, that is, if very large areas such as major tectonic belts in British Columbia are considered. The approach probably breaks down for small areas where the non-uniformity of deposit distribution becomes extreme. This general approach to resource evaluation has potential in other regions for which adequate mineral occurrence data are available.

TOWARDS A METALLOGENY

In the introduction the evident limitations of mineral commodity maps were outlined. They can be restated as:

(1) Deposits of one commodity (or a few) of all geological origins are combined on a single map and are not distinguished.

(2) Deposits of different ages are not distinguished.

(3) Sizes of deposits are not shown, even qualitatively.

The results of the preceding analysis should be considered relative to detailed geology of deposits, metallogenic history, and regional geochemical studies to evaluate the importance of these limitations.

Several styles of compilations have been published to establish the order of importance by tectonic belt of metals in recognized economic or nearly economic mineral deposits (Sutherland Brown *et al.*, 1971; Sutherland Brown, 1976). These have been compared to the levels of background abundance of metals in the various belts (Sutherland Brown, 1974). Reproduced from these papers are: a list of reserves and production by tectonic belt for the whole of the Canadian Cordillera as of December 1973 (Table 8); a matrix of production, also for the whole Canadian Cordillera, as of 1973 (Table 9); graphs of silt and soil background data (Fig. 3). The original publications outlined the quality and limitations of the data on geochemistry. In addition to the geochemical data for the major base metals that are shown, it can be reasoned that there is a generally eastward decreasing step-like gradient in iron background and early indications from the recently initiated Uranium Reconnaissance Program indicate an eastward increasing gradient in uranium background.

Fig. 3a

BACKGROUND IN SILTS

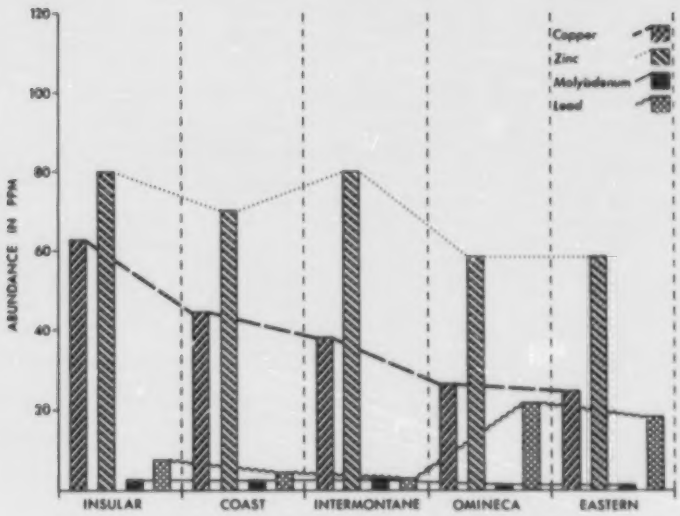

Figure 3a. Bar graph of the average level of metal background in silts by tectonic belt.

Fig. 3b

BACKGROUND IN SOILS

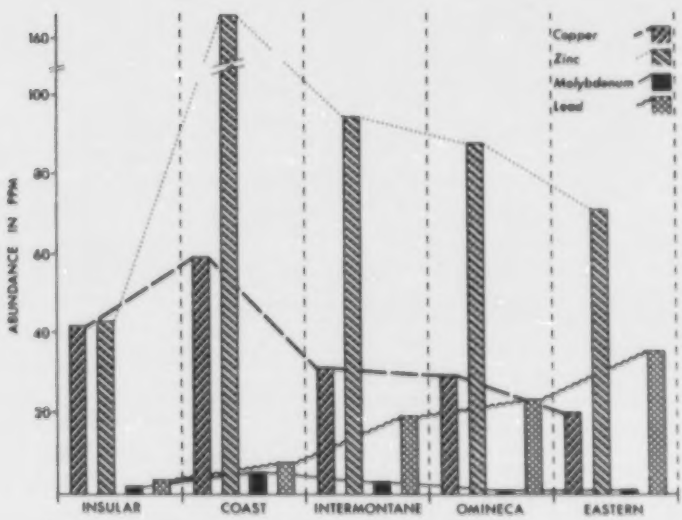

Figure 3b. Bar graph of the average level of metal background in soils by tectonic belt.

TABLE 8

PRODUCTION AND RESERVES OF CANADIAN CORDILLERA BY TECTONIC BELT, 1973

		Insular	Coast	Intermontane	Omineca	Eastern	Total
Copper	P.	285.5	1 022.5	1 239.0	351.0	16.5	2 914.5
	R.	2 147.5	1 727.0	18 793.5	1 538.5	216.0	24 422.5
	T.	2 433.0	2 749.5	20 032.5	1 889.5	232.5	27 337.0
Molybdenum	P.	0.6	—	98.4	3.1	—	102.1
	R.	46.0	?	1 186.0	18.9	—	1 254.9
	T.	46.6	?	1 286.4	22.0	—	1 357.0
Zinc	P.	186.6	208.9	18.8	10 359.6	89.4	10 843.3
	R.	180.7	53.4	?	6 913.7	107.5	6 235.3
	T.	327.3	262.3	18.8	16 273.3	196.9	17 078.6
Lead	P.	19.5	60.4	15.5	8 878.5	56.7	9 030.6
	R.	24.4	23.5	?	8 579.5	103.5	8 730.9
	T.	43.9	83.9	15.5	17 458.0	160.2	17 761.5
Silver	P.	5.0	76.7	9.6	500.3	1.0	592.6
	R.	10.9	18.2	250.0	250.8	20.0	549.9
	T.	15.9	94.9	259.6	751.1	21.0	1 142.5

Copper, molybdenum, lead, and zinc – X 10^3 short tons of metal; silver – X 10^6 ounces.
P. = past production; R. = current reserves of all categories; T. = total.

TABLE 9

1973 PRODUCTION BY TECTONIC BELT

PRODUCTION VALUE 1973	INSULAR	COAST CRYSTALINE	INTER-MONTANE	OMINECA	EASTERN MARGINAL
> $ 100 x 10^6	Cu		Cu	Zn, Pb	
> $ 30 x "	Fe	Cu	Mo	Ag	
> $ 10 x "	Zn, Au		Au	Cu, W	
> $ 3 x "	Ni, Ag	Ni, Ag	Ag		Cu
> $ 1 x "	Pb, Mo	Au	Zn, Hg	Au	
< $ 1 x "			Fe, Pb	Mo	Ag, Au

The data from these tables and graphs are manipulated in Table 10 to compare rankings by tectonic belt of 'characteristic metal' from commodity maps, 1973 production, production and reserves in December 1973, and the geochemical background. The latter is averaged for silts and soils and only above-average backgrounds are shown. Unfortunately, in Table 10, column 4 shows only non-ferrous base metals, and column 3 only these metals plus silver. Iron is not shown except in column 2.

The high degree of congruency of the ranking by all these methods is readily evident. This correlation indicates a fundamental relationship between the levels of geochemical background, number and distribution of showings, and the amount and distribution of ore.

The comparison of Table 10 also indicates a number of features deserving of comment:

(1) The importance of copper throughout the Cordillera. It occurs most widely and ranks highly in most tectonic belts, including the Eastern Marginal Belt.

(2) Zinc follows copper in both broad distribution and high ranking among the major metals produced. The importance and breadth of distribution of molybdenum and lead are equal although their distribution within different tectonic belts differs markedly.

(3) The Eastern Marginal Belt is the least mineralized belt with the fewest mineral showings, least reserves, and least diversity, well behind the Coast Crystalline Belt which is second poorest. In the Eastern Marginal Belt there is a dearth of plutons to augment the concentration process, whereas, in the Coast Crystalline perhaps too many plutons and resultant high temperatures have dispersed potential mineral deposits.

The most important feature, the congruency of the rankings deserves some extended comment. Apparently high soil and silt geochemical background levels correlate with numerous showings and also with numerous mines. The converse is also true. The most reasonable explanation for the first-mentioned correlation is that high background is an essential component to significant mineralization, whereas, the theory that dispersal of metals from major concentrations creates high regional backgrounds seems improbable. This is especially true when it is realized that the very great bulk of metal in the upper crust is present in the background. Sutherland Brown (1974) for the Intermontane Belt, calculated that if copper in all the known and speculative mineral deposits of copper were evenly distributed it would only augment the background by 0.3 ppm in contrast to an average background of 40 ppm. If high background values are associated with numerous showings and abundant mines one can go further and suggest that metal tends to be concentrated from neighbouring space, probably largely by water/rock interaction. Neighbouring space can, of course, represent a considerable thickness of crust.

TABLE 10. COMPARISON OF RANKINGS OF METALS

TECTONIC BELT	CHARACTERISTIC COMMODITY FROM B.C. (TABLE 6)	1973 PRODUCTION B.C. AND YUKON	PRODUCTION AND RESERVES, DEC. 1973 B.C. AND YUKON	REGIONAL GEOCHEMISTRY B.C.
INSULAR	Cu,Au;Zn;*[As,Co,Sb]*	Cu;Fe;*[Zn,Au]*;(Ni,Ag)	Cu;Zn;*[Mo,Pb]*	Cu,Zn;Mo;*[Pb]*
COAST	Au;Ni,Hg,Mo,Sb;*[As]*	Cu;(Ni,Ag)	Cu;Zn;*[Pb,Ag,Mo?]*	Cu,Mo,Zn;*[Pb]*
INTERMONTANE	Cu,Mo;Hg;*[Sn]*	Cu;Mo;*[Au]*;(Ag)	Cu,Mo;Ag;*[Zn,Pb]*	Mo;Zn,Cu;*[Pb]*
OMINECA	Ag,Pb,Au;Zn,W,U,Ni;*[Sn]*	Zn,Pb;Ag;*[Cu,W]*	Pb,Zn;Cu,Ag;*[Mo]*	Pb;*[Cu,Mo,Zn]*
EASTERN MARGINAL	------	(Cu)	Pb,Zn,Cu;*[Ag]*	Pb
	Cu ⩾ 100 properties Au ⩾ 10 properties *[Co]* < 10 properties	Cu ⩾ $1.0 x 10^8 Mo ⩾ $3.0 x 10^7 *[Au]* ⩾ $1.0 x 10^7 (Ni) ⩾ $3.0 x 10^6	Cu ⩾ 10^9 tons Mo ⩾ 10^8 tons *[Ag]* ⩾ 10^7 tons	Cu high Mo moderately high *[Pb]* moderate

The connection between density of mineral occurrences, the distribution of ore, and the geochemical background leads to a search for causal relations. There appears to be an imperfect relationship between mean crustal abundance of an element and the distribution pattern of mineral occurrences of the same element. This relationship is shown to some degree by comparing the abundances in Table 11 but is best revealed by comparing the ratios of concentration necessary to produce ore deposits. The table lists the metals in order of increasing concentration ratios required for economic recovery. From this it can be seen that there is a general correlation between the resulting ranking and that of metals of Table 10. In general the metals with lowest ratios are characteristic of the Insular Belt whereas those with higher ratios occur in the more easterly belts including the Omineca Belt. The Eastern Marginal Belt can be ignored.

TABLE 11

CRUSTAL ABUNDANCE AND RATIO OF CONCENTRATION OF METALS

	Crustal Abundance* *in ppm*	Approximate Ore Grade *in ppm*	Ratio of Concentration
Iron	50 000	500 000	10
Cobalt	25	18 000	72
Copper	55	5 000	90
Nickel	75	7 500	95
Uranium	2.7	500	185
Molybdenum	1.5	1 500	1 000
Tungsten	1.5	2 000	1 333
Zinc	70	100 000	1 425
Silver	0.07	200	2 850
Gold (Lode)	0.005	16	3 200
Lead	12.5	60 000	4 800
Mercury	0.08	2 500	30 000

*Taylor, 1964, 1966.

These empirical relations lead to speculation regarding cause. Sutherland Brown (1974) has suggested that Taylor (1964a) provides a means of understanding the distribution and relating it to crustal processes. Taylor's diagram of ionic radius against ionic charge for lithophile and some siderophile elements shows an orderly arrangement of depletion and enrichment in the crust of these elements in relation to terrestrial abundance, governed principally by ionic size but also by valency. He concluded there was a strong upward fractionation of elements unable to enter into 6-fold coordination with oxygen in closely packed structures. The elements Mn, Fe, Cu, Ni, Mg, and Cr are retained in major minerals in the mantle and consequently are depleted in the crust. Elements of too large ionic size or of unsuitable valency for 6-fold coordination with oxygen are strongly concentrated in the crust, approximately in proportion to their differences in size and valency.

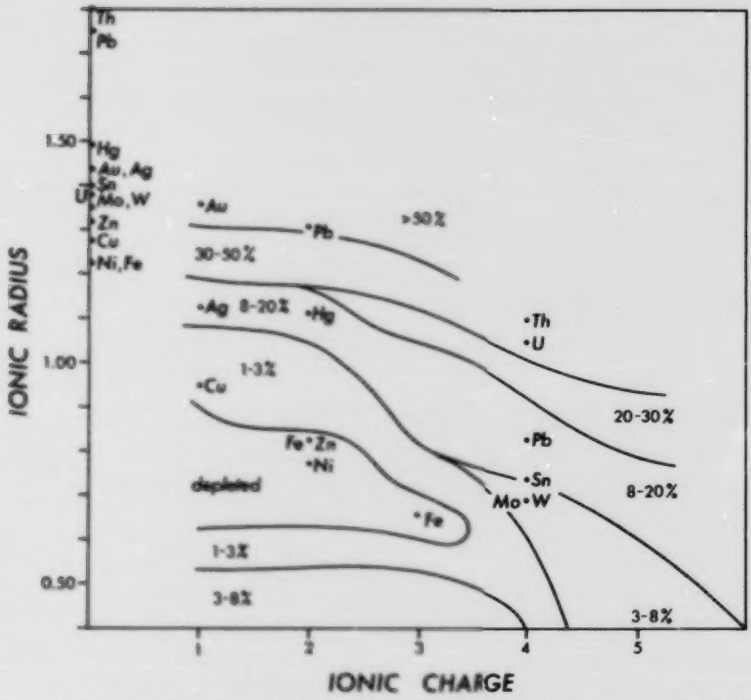

Figure 4. Taylor's diagram, modified for metals, indicating the relation between depletion or percentage concentration in the crust and ionic radius and charge.

Sutherland Brown (1974) plotted the common ore metals on Taylor's diagram (Fig. 4), although most are largely chalcophile or siderophile and not commonly ionically bonded. This does not appear to be critical, for the pattern resulting is compatible with that found by Taylor. However, more important to this discussion, the pattern is virtually the same as that of metal abundance and distribution of mineral deposits in the Canadian Cordillera. Elements showing depletion or only slight enrichment in relation to earth abundances are dominant in the Insular Belt. This belt may be considered to be composed of a large proportion of the most 'primitive' crustal materials in the sense that it is composed of rocks closest in composition to mantle rocks. In contrast, elements showing the highest enrichment in the crust are those characteristic of the deposits of the Omineca Belt, the tectonic belt most highly evolved by crustal processes. The belts between the Insular and Omineca occupy sequential positions in relation to metal characteristics and space. It should be noted that the order listed on the ordinate for atomic radii of the metals is substantially similar to both the order in Table 11 for ratio concentrations and the composite of rankings in Table 10.

Various interpretations are possible to explain this systematic arrangement, but an obvious one is that it results in part from the accretion of Cordilleran crust to a more easterly continental margin. Material is cycled from the mantle to the western periphery

and successively reworked and concentrated as it is incorporated. Areas of pre-existing or older continental crust show a concentration of large ions, dilution of medium-sized ions, and more selectively enriched domains related to specific lithologies.

A MODEL OF ACCRETION AND METALLOGENY

Models for the accretionary evolution of the Canadian Cordillera are still developing – there is no consensus on details but a fair agreement exists on the general pattern of accretion. To help visualize the processes involved, a series of simplified diagrams are

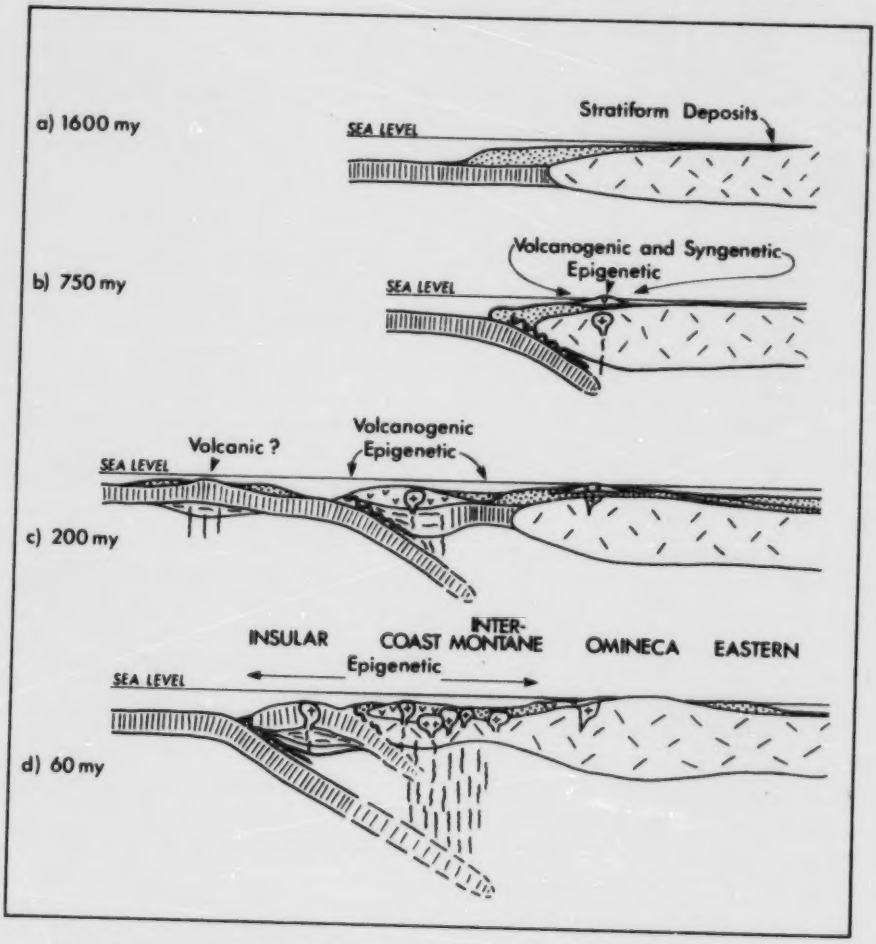

Figure 5. Accretionary evolution of the Canadian Cordillera showing the sites of mineral deposits.

shown on Figure 5 based on Berry and Forsyth (1975), Dickinson (1976), Monger, Souther, and Gabrielse (1972), Wheeler and Gabrielse (1972), and Wolfhart and Ney (1976). These references should be consulted for a more thorough treatment of the tectonic history. Our interest is to illustrate, in a general way, the distribution in time and space of the varying modes of formation of mineral deposits.

During the Late Proterozoic, a period of Atlantic-type continental margins, some stratiform deposits (for example, Sullivan deposit) were formed in what would become the Rocky Mountain and Omineca Belts (Fig. 5a). The Kootenay disturbance (circa 800 m.y. ago), which was probably accompanied by minor subduction, resulted in formation of both volcanogenic and epigenetic deposits in the general area of the Omineca Belt (Fig. 5b). During Late Paleozoic, but particularly Triassic and Early Jurassic times, a continental margin with some similarities to the Japan-type existed in a broad area to the west of Omineca Belt. In this period epigenetic and volcanic deposits formed in the arc and backarc environments and to a lesser extent in the offshore volcanic setting that became the Insular Belt (Fig. 5c). As this latter belt impinged on the extended continental margin, the site of subduction transferred to the west and culminated during the Early Tertiary in a major thermal event centred on the eastern side of the present Coast Crystalline Belt and coupled with the creation of the major Cordilleran backarc fold/thrust belt (mostly Eastern Marginal Belt) (Fig. 5d). During the latter period epigenetic deposits were formed across the breadth of the four western belts.

The results of this are portrayed on Figure 6, a section from Barkley Sound through Kamloops to beyond Mount Freshfield on the Alberta border. This section shows the continental margin still subject to modest subduction (Hyndman and Riddihough, 1977) and the Cordillera cut by major through-going faults that separate and also segment the tectonic belts (Gabrielse, Campbell, Monger, Richards, and Tipper, 1977). These faults were loci of large lateral offsets but do not appear to dislocate mineral zones extensively relative to the scale we are dealing with here. The Mohorovicic discontinuity is interpreted from Berry and Forsyth (1975) and the sillimanite isograd from Wheeler and Grabrielse (1972). Portrayal of the Coast Plutonic Belt follows interpretations of Hamilton and Myers (1967).

On this section (Fig. 6) is shown a zone of major Late Paleozoic, Mesozoic, and Cenozoic epigenetic deposits, a zone of major Proterozoic and Early Paleozoic syngenetic and epigenetic deposits, and a zone of possible Archean and Early Proterozoic epigenetic deposits. Metal occurrence-density patterns for the major metals are shown above the cross-section. The mineralized zones are based on mineral commodity maps and the accretionary model described previously. Rocks above the sillimanite isograd are largely eroded in the Coast Crystalline Belt so that lower grade metamorphic rocks are present only in pendants and screens. In the Omineca Belt, in contrast, the sillimanite isograd is uplifted but is largely below the present surface. The zone of major Mesozoic and Cenozoic epigenetic deposits in the Insular and Intermontane Belts is thick so that accidental foldings or uplift invariably still include relatively low metamorphic grade volcanic and sedimentary rocks punctured by plutons. Both Insular and Intermontane

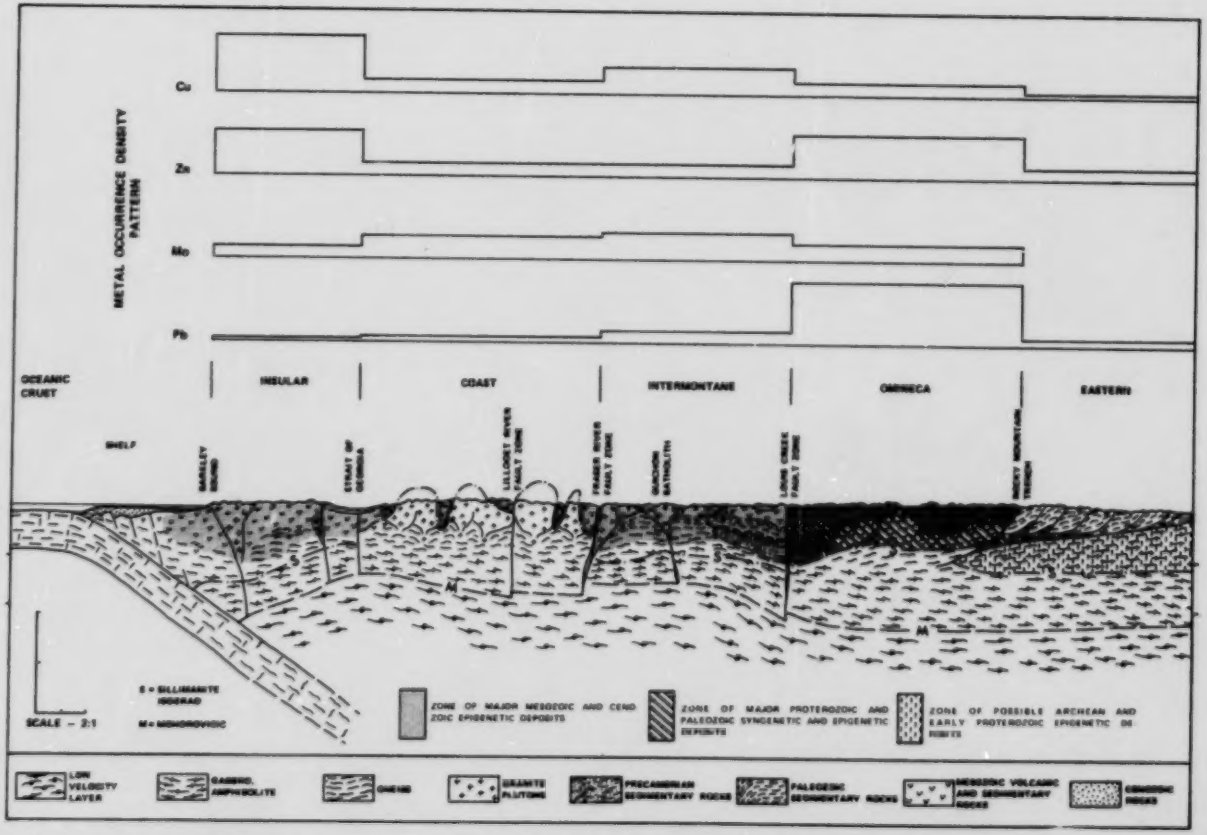

Figure 6. Hypothetical section through the southern Canadian Cordillera showing the distribution of mineral zones relative to geology, tectonic belts, and metal occurrence density pattern.

Belts are capped locally by surficial rocks that are unmineralized or scarcely so, although these may form traps for concentrations of secondary uranium from circulating groundwater. The Omineca Belt, in addition to participating in the Mesozoic/Cenozoic epigenetic metallogenesis, also contains major Proterozoic and Early Paleozoic syngenetic mineral deposits – in some cases remobilized due to intense metamorphism and mechanical deformation. In addition, the Kootenay disturbance introduced some volcanogenic and epigenetic deposits. Therefore, the Omineca Belt has participated in the maximum duration of tectonism with consequent increased chances for a diverse development of mineral deposits, particularly of the elements requiring multiple processes to create ratios of concentrations sufficient for ore deposits. The fold and thrust belt of the Rocky Mountains includes some Proterozoic rocks with possible stratiform deposits and overlies a zone at depth that may contain older Precambrian deposits but as most possibilities occur at depth, the belt is impoverished in outcropping deposits.

5

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APPENDIX

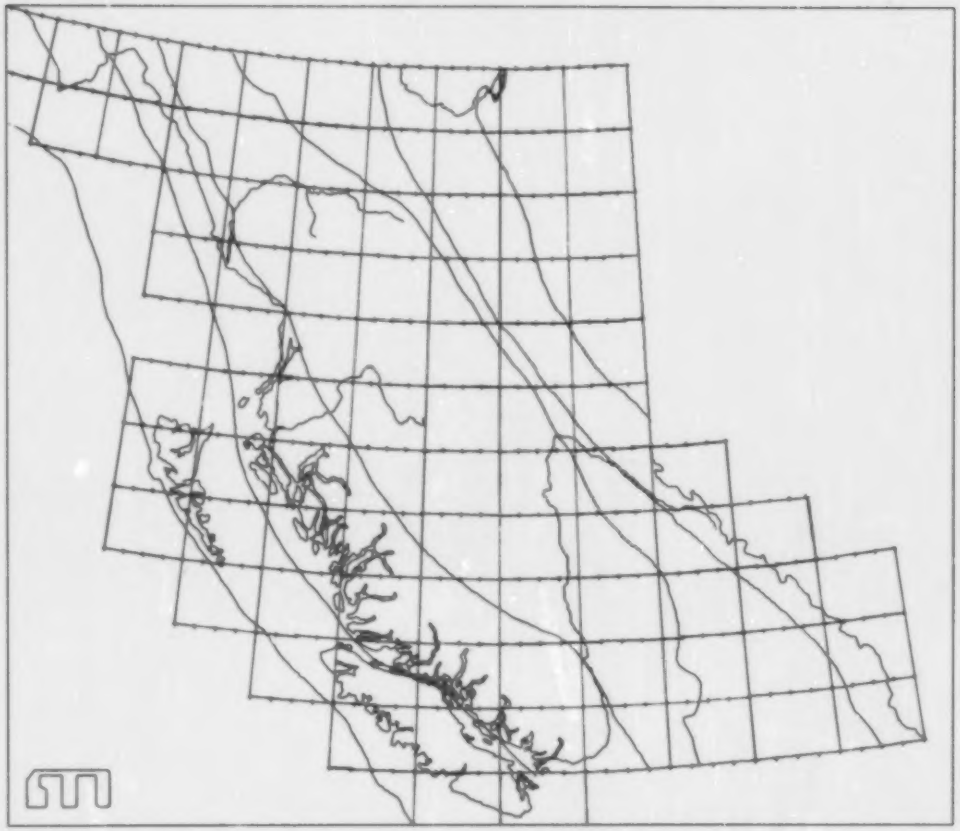
COMPUTER–GENERATED MAPS:

1 – GEOGRAPHIC REFERENCE GRID FOR MINERAL COMMODITY OCCURRENCE MAPS

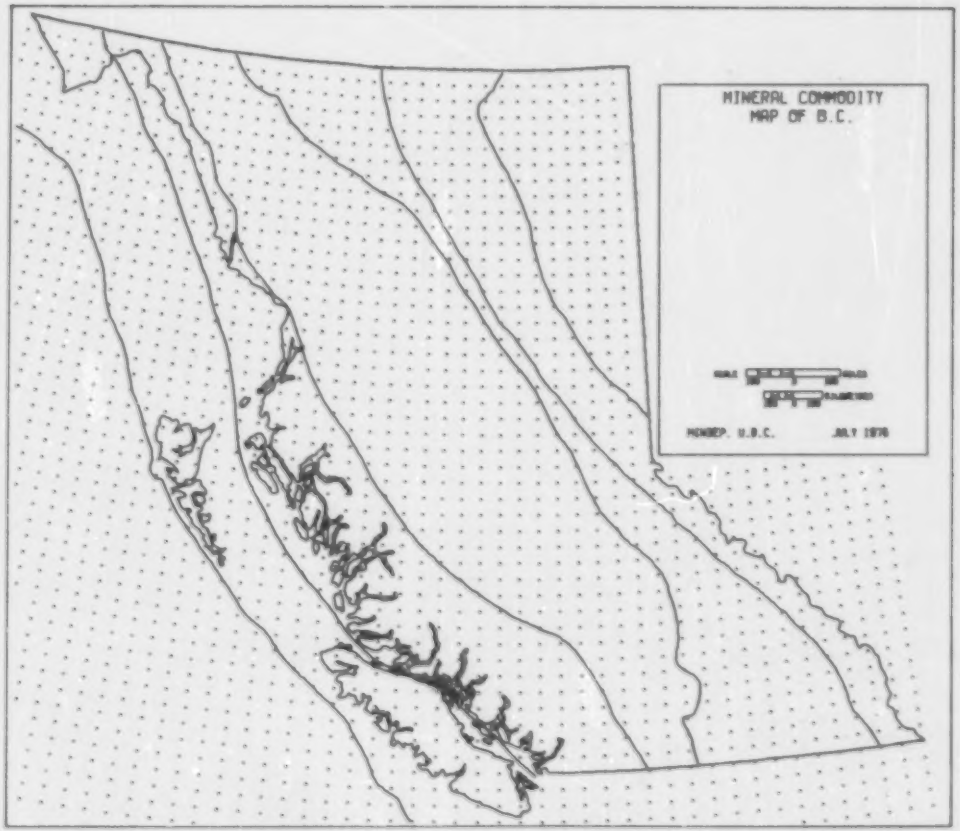
2 – GRID USED IN CONTOURING FOR MAPS 28, 29, AND 30

3 to 27 – MINERAL COMMODITY REFERENCE MAPS

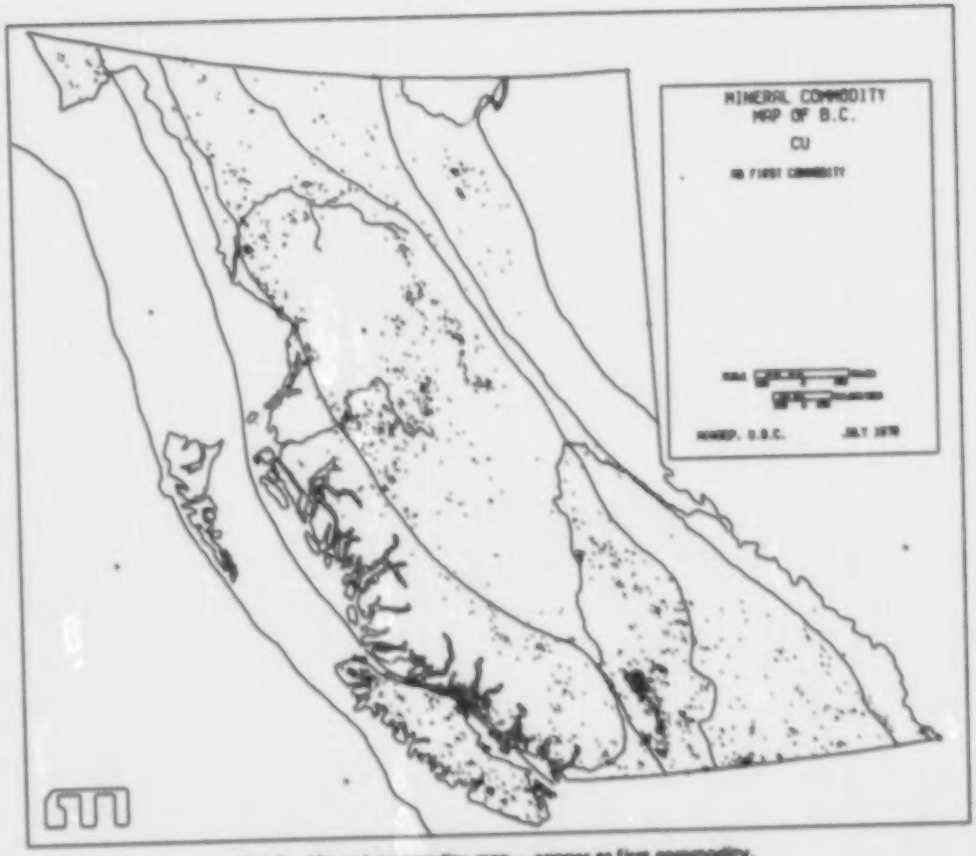
28 to 30 – CONTOURED MINERAL COMMODITY OCCURRENCE MAPS FOR COPPER, LEAD, AND MOLYBDENUM



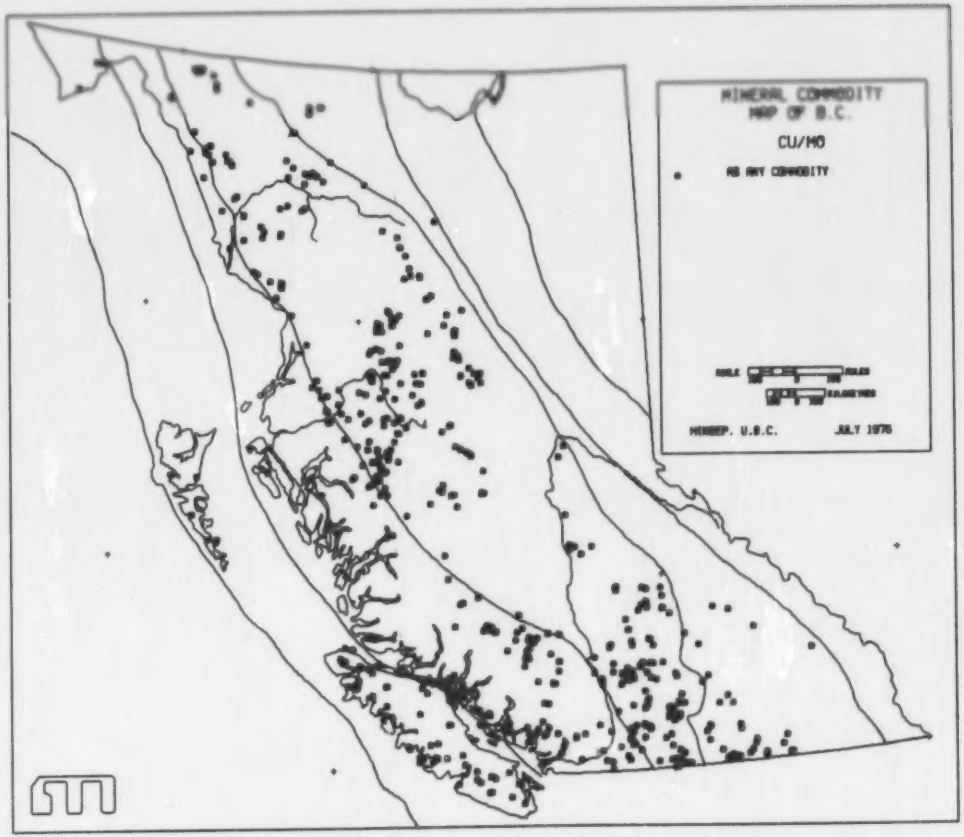
Map 1. Geographic reference grid for mineral commodity occurrence maps.



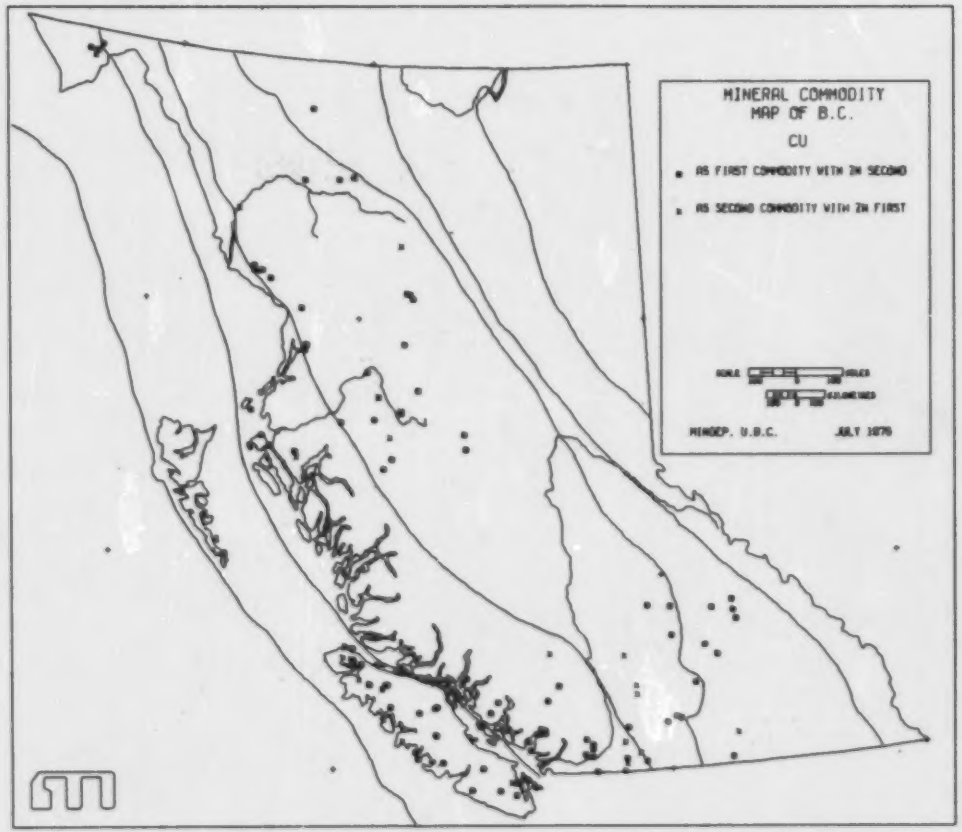
Map 2. Grid used in contouring for Maps 28, 29, and 30.



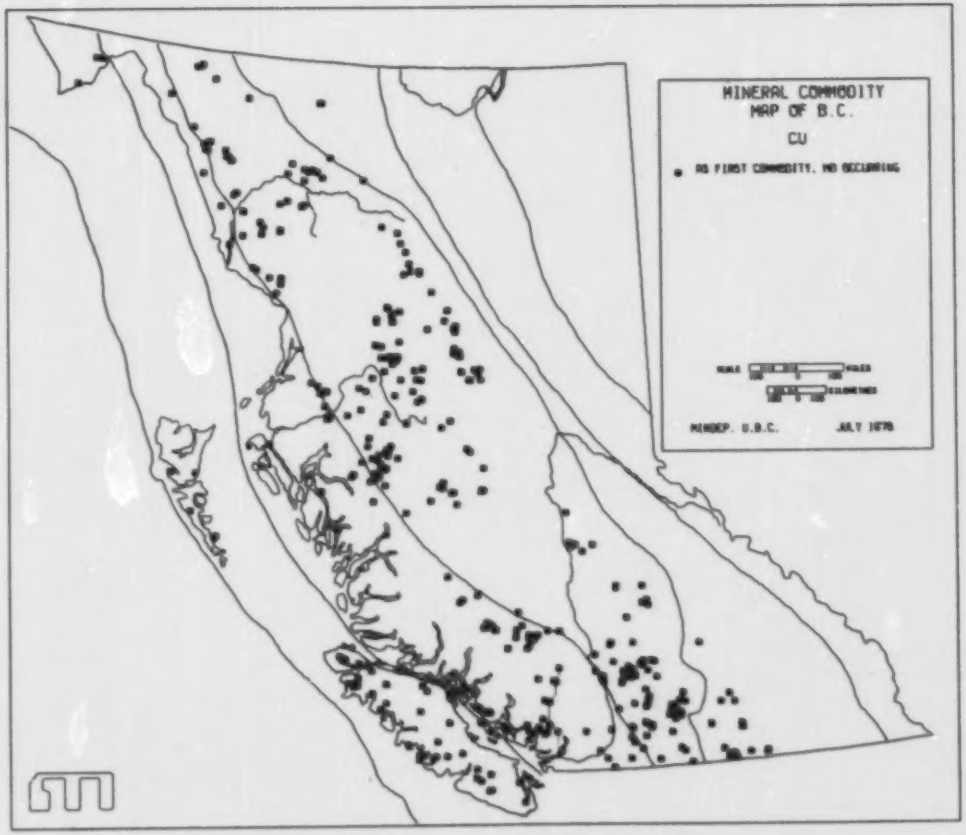
Map 3. Mineral commodity map — copper as first commodity.



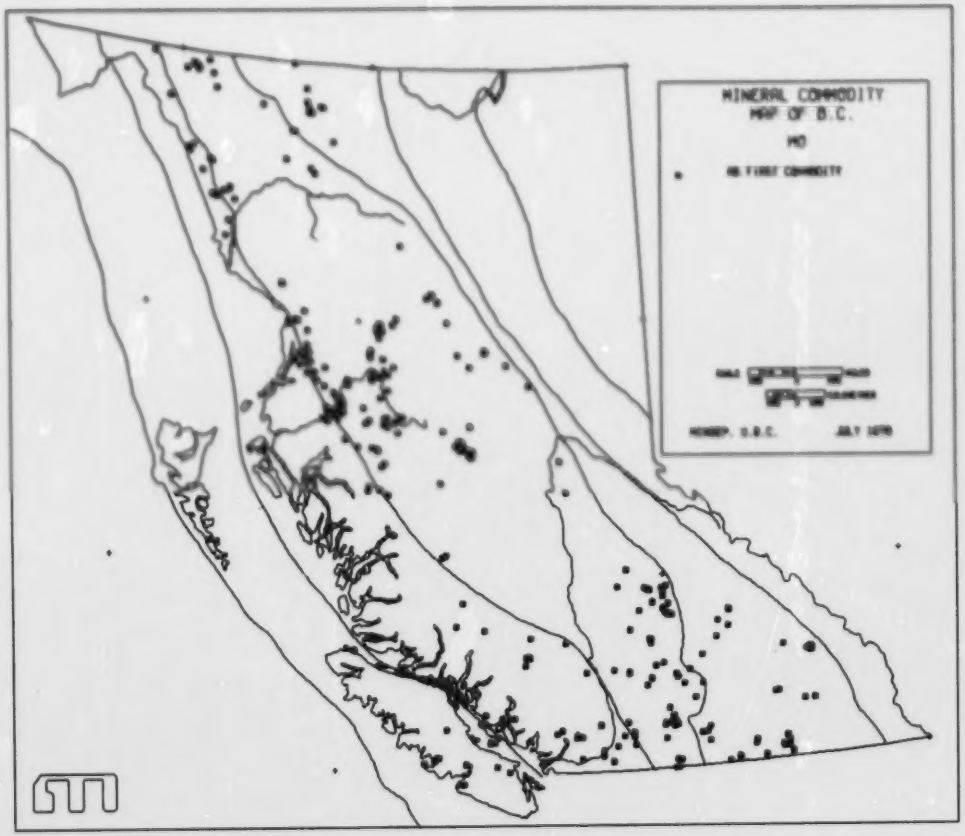
Map 4. Mineral commodity map – copper/molybdenum as any commodity.



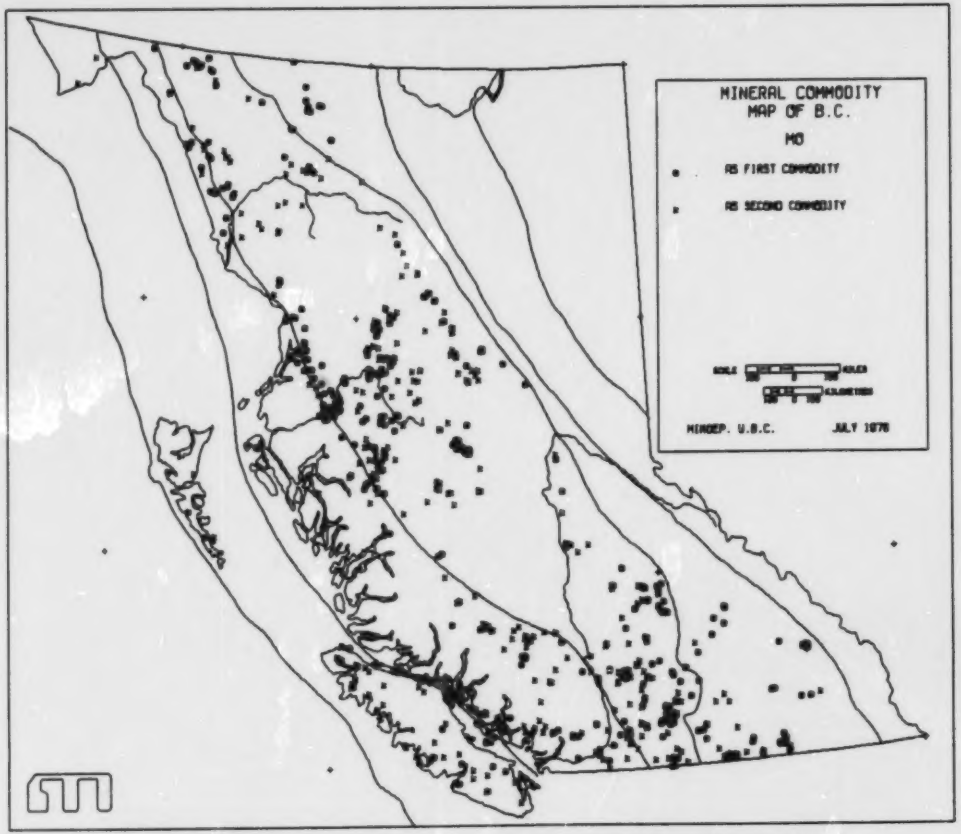
Map 5. Mineral commodity map – copper as first and as second commodity with zinc second and first.



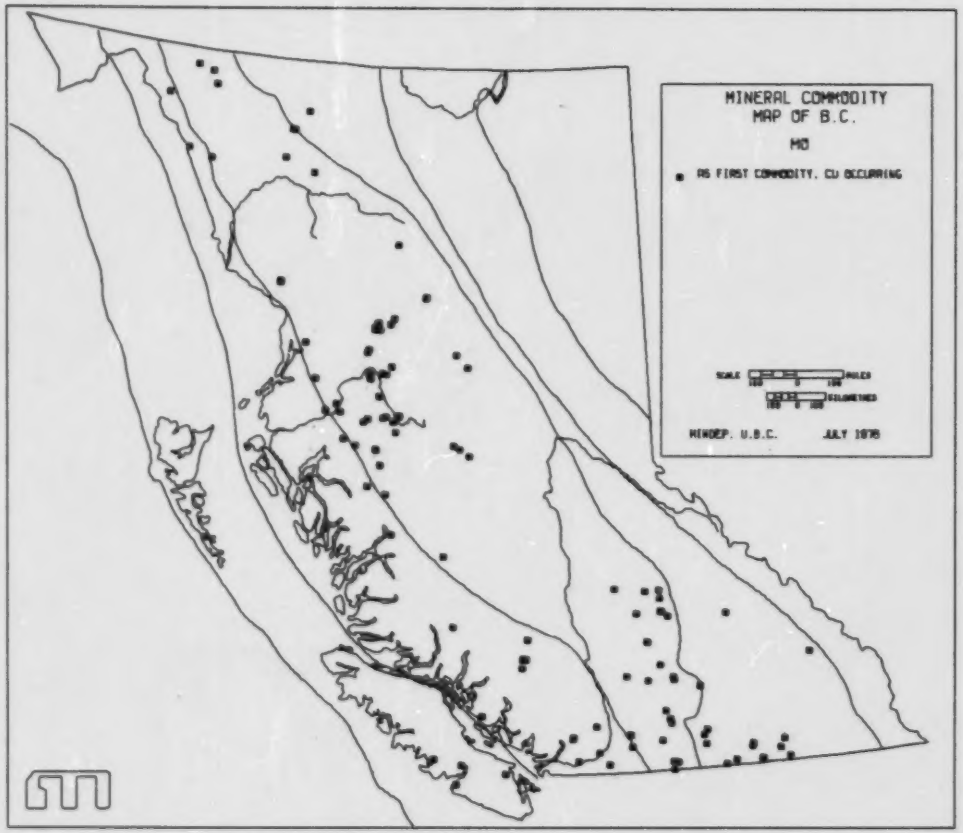
Map 6. Mineral commodity map – copper as first commodity, molybdenum occurring.



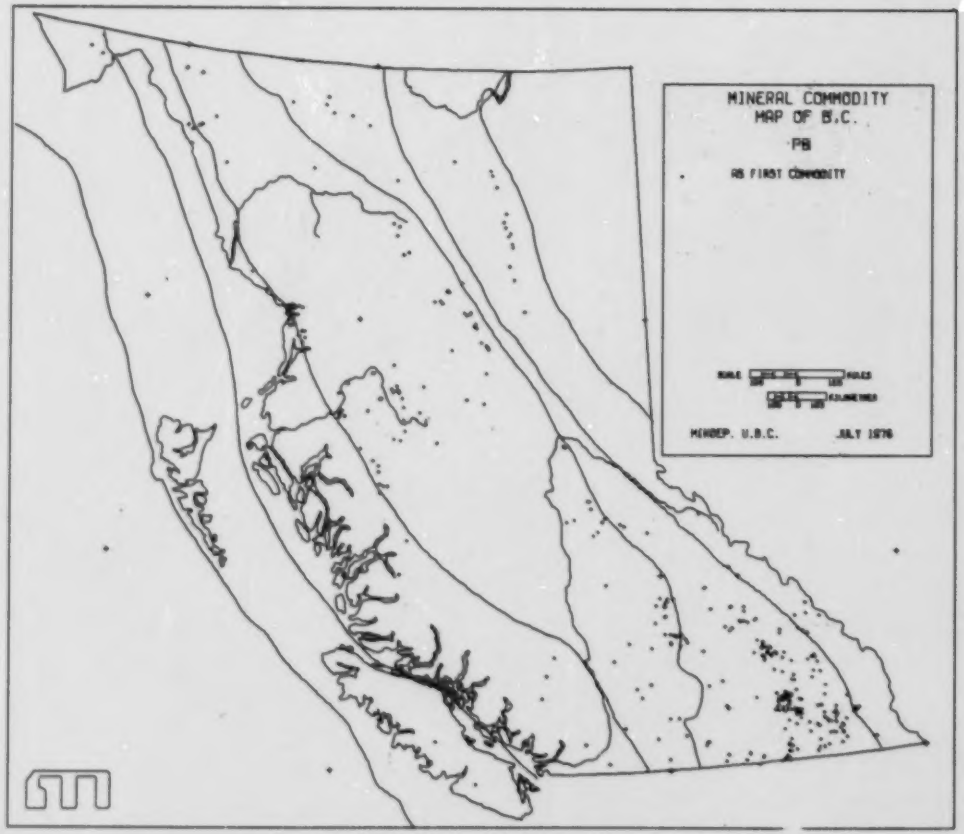
Map 7. Mineral commodity map – molybdenum as first commodity.



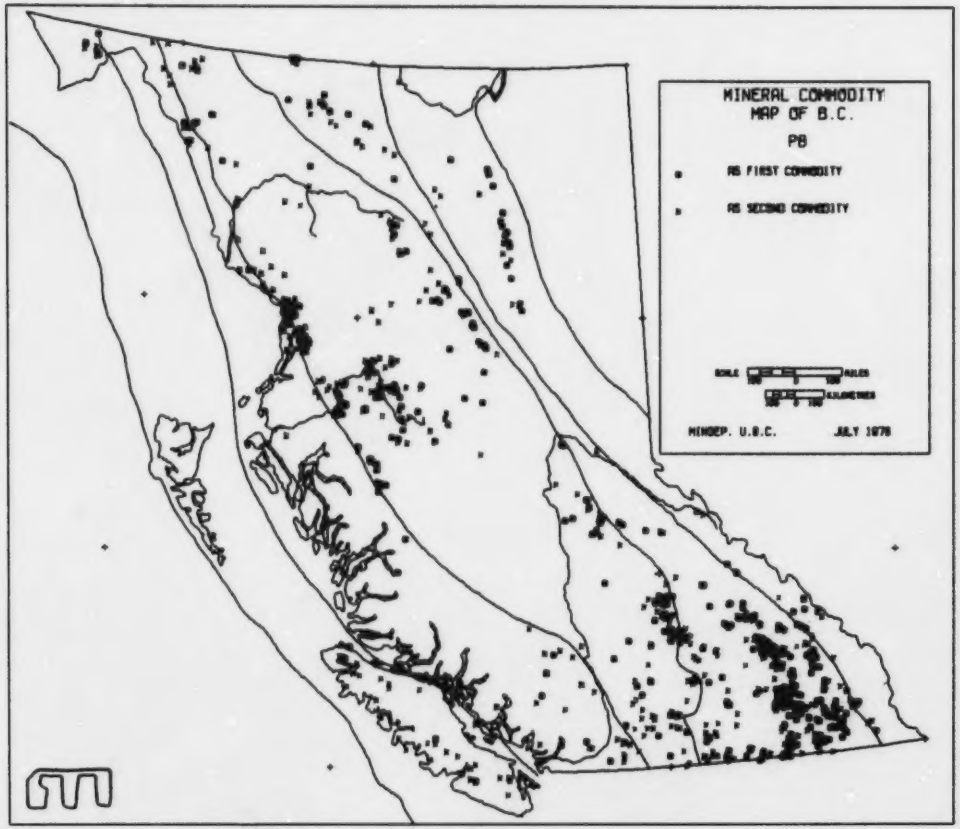
Map 8. Mineral commodity map – molybdenum as first and as second commodity.



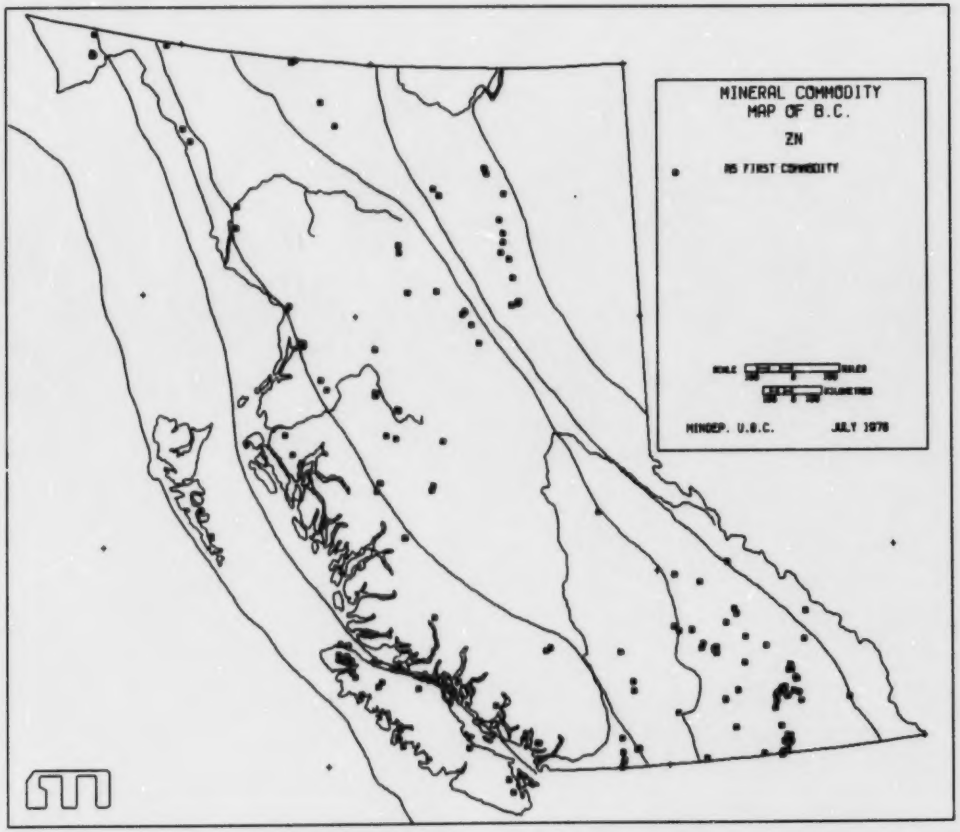
Map 9. Mineral commodity map — molybdenum as first commodity, copper occurring.



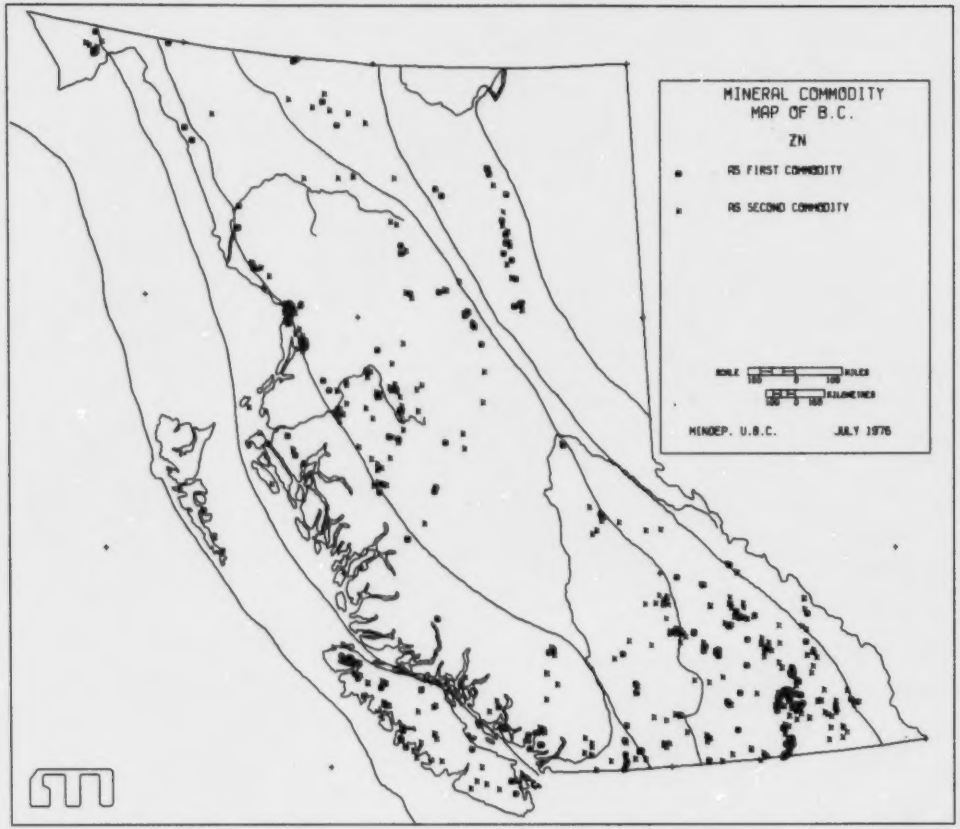
Map 10. Mineral commodity map — lead as first commodity.



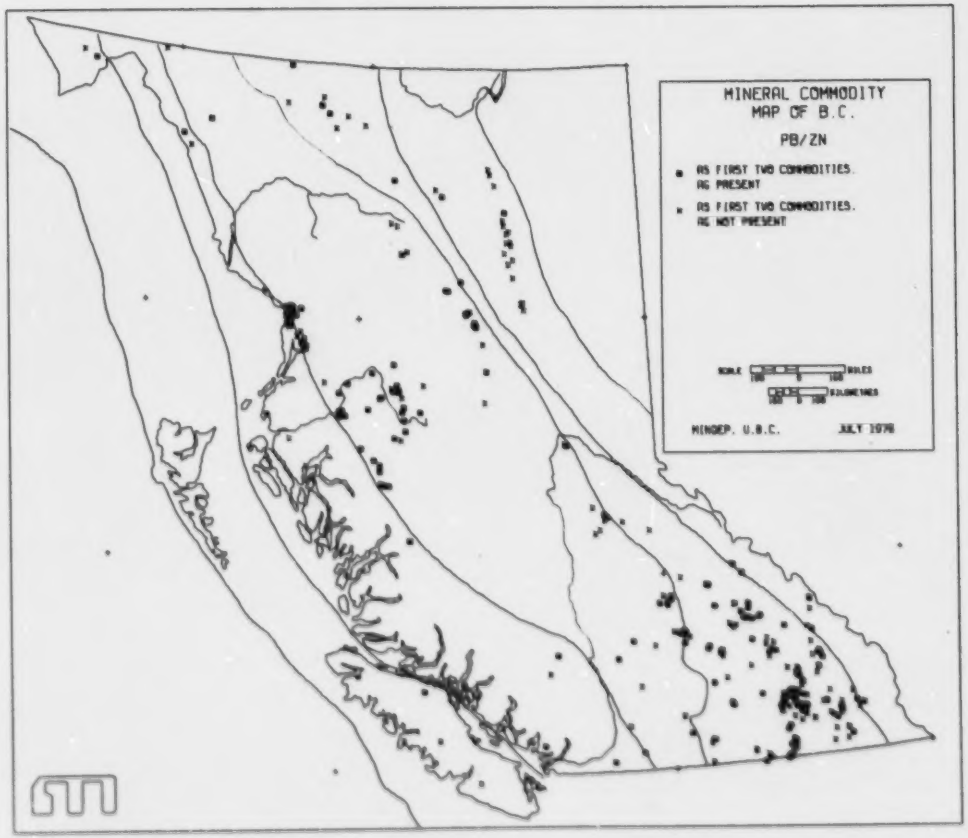
Map 11 Mineral commodity map — lead as first and as second commodity.



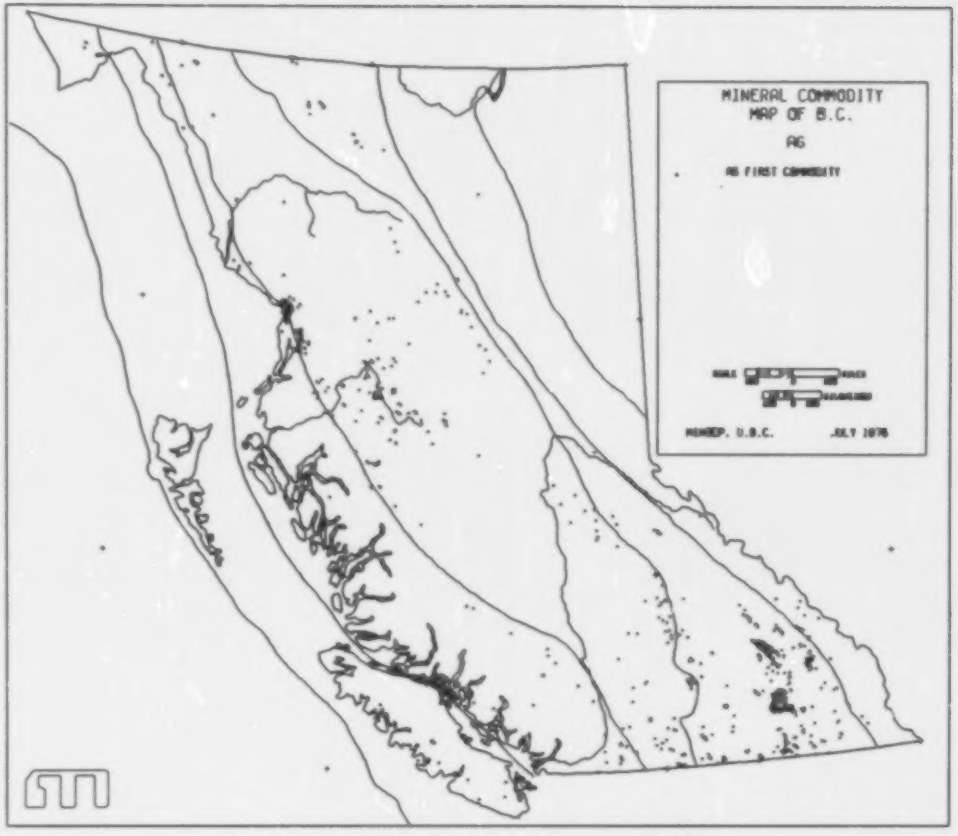
Map 12. Mineral commodity map – zinc as first commodity.



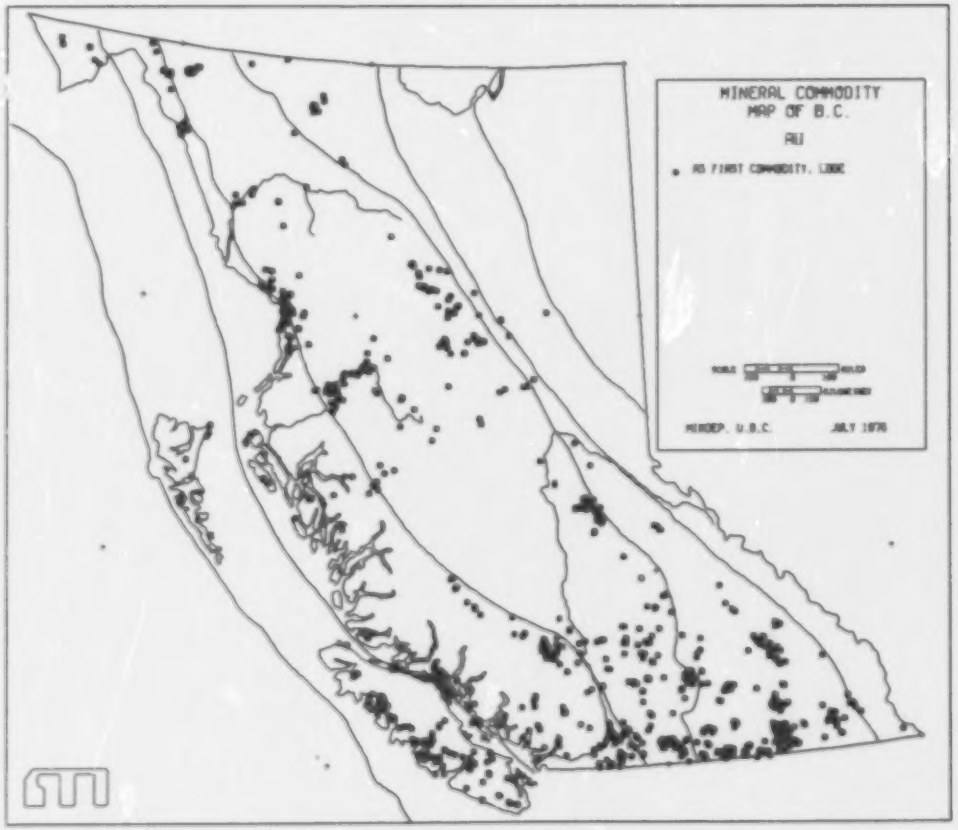
Map 13. Mineral commodity map – zinc as first and as second commodity.



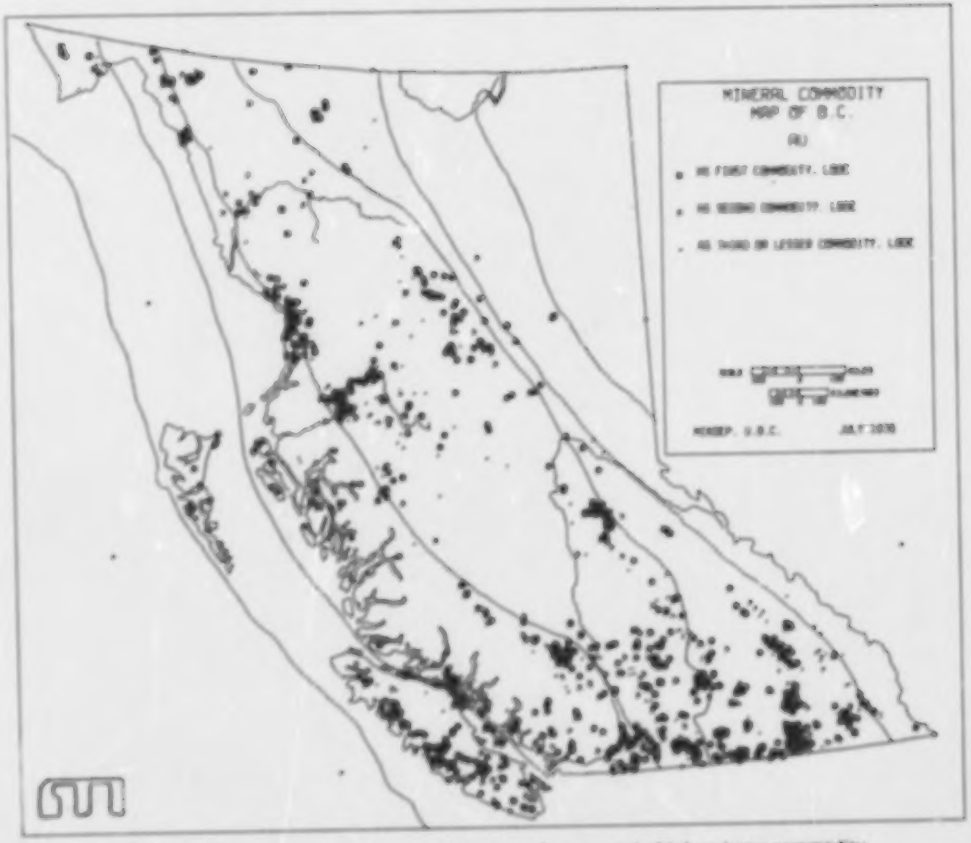
Map 14. Mineral commodity map – lead/zinc as first two commodities, silver present and not present.



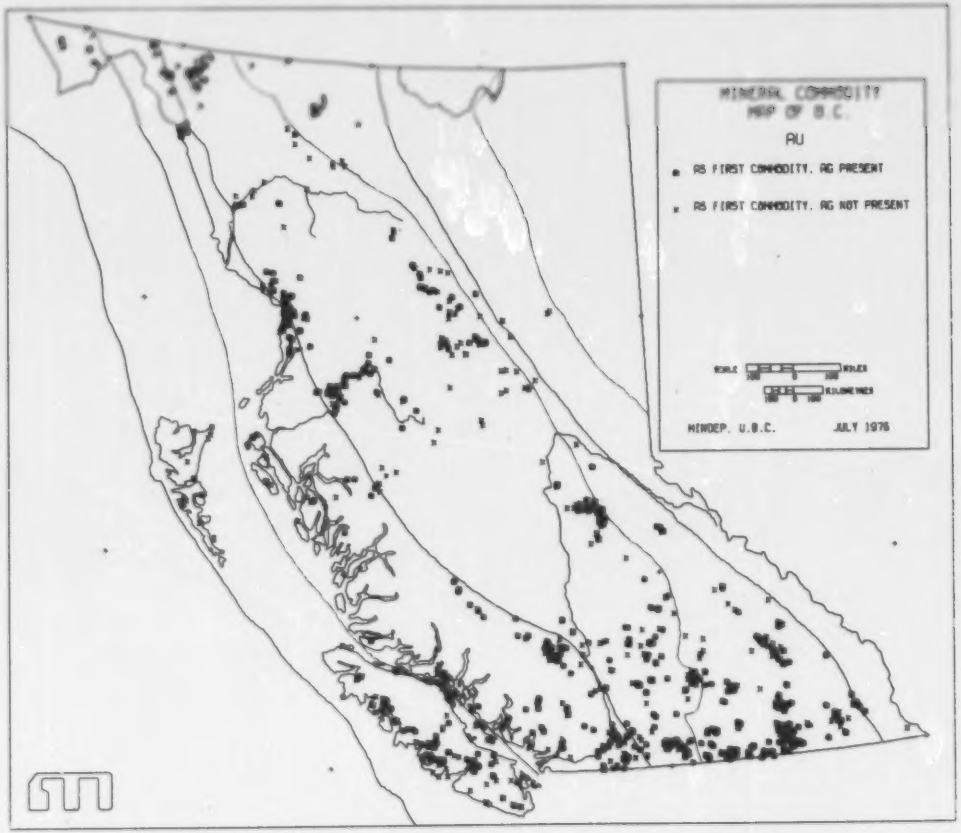
Map 15. Mineral commodity map – silver as first commodity.



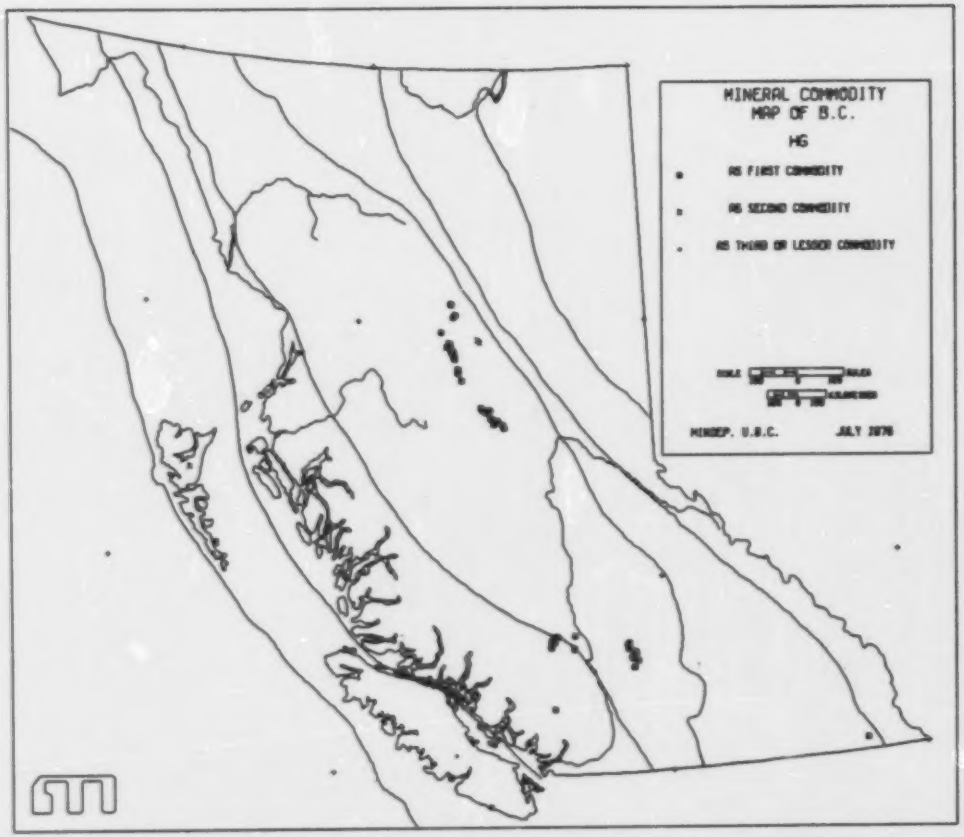
Map 16. Mineral commodity map – lode gold as first commodity.



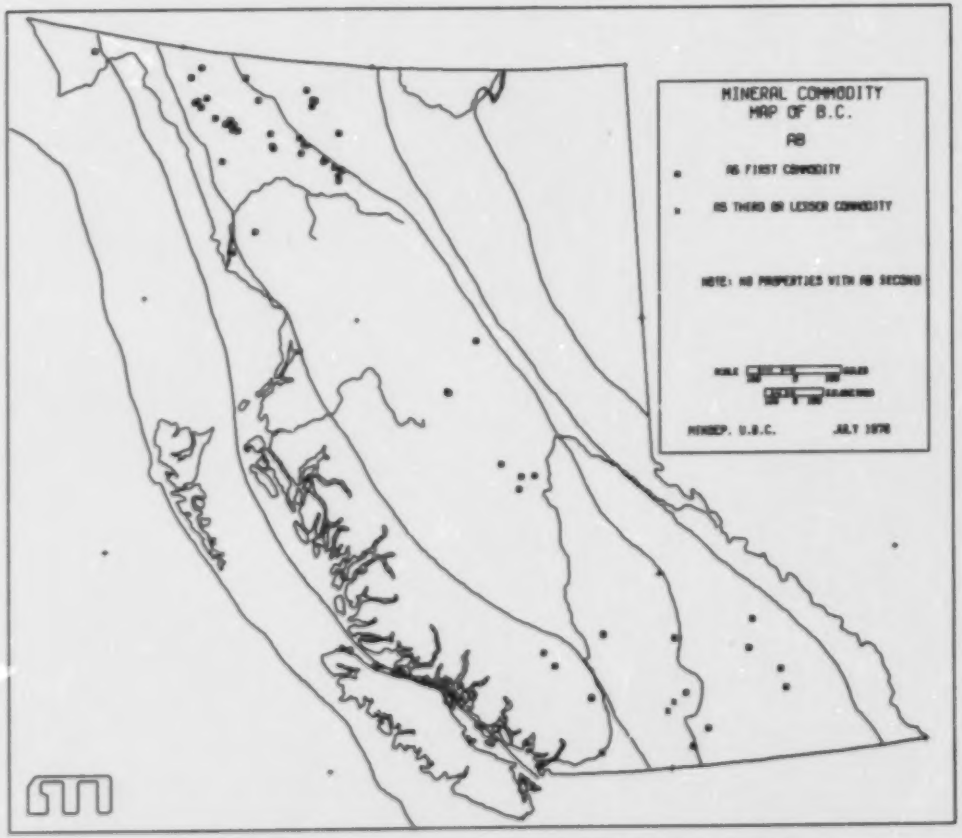
Map 17. Mineral commodity map – lode gold as first, second, third, or lesser commodity.



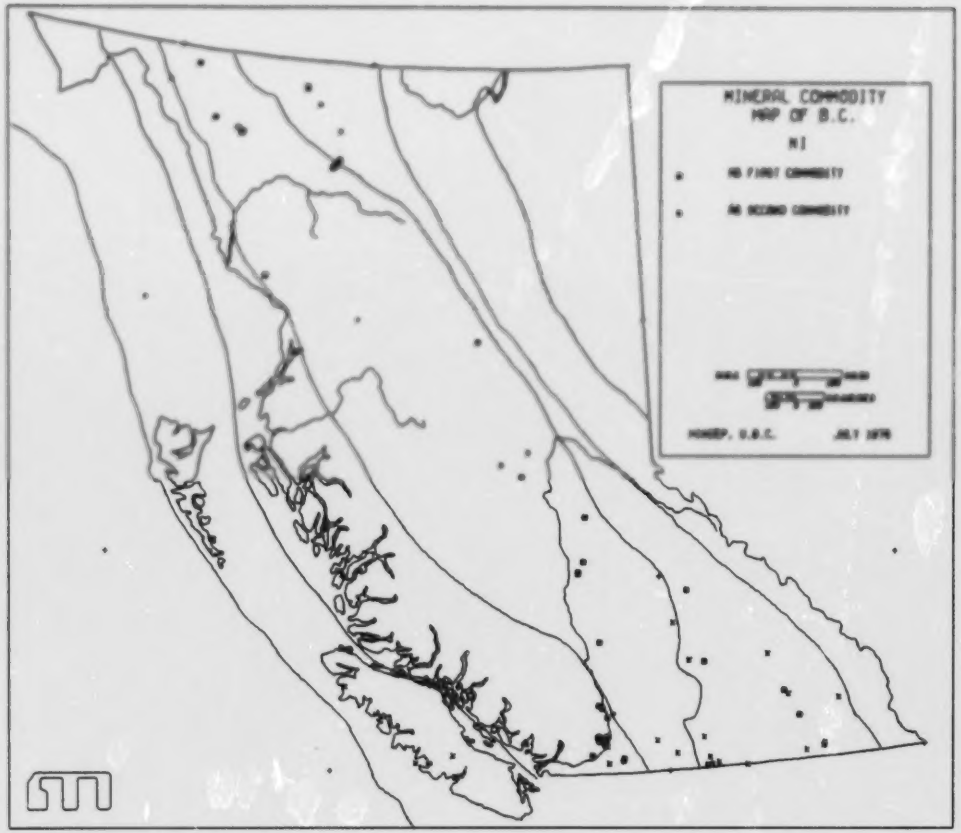
Map 18. Mineral commodity map – gold as first commodity, silver present and not present.



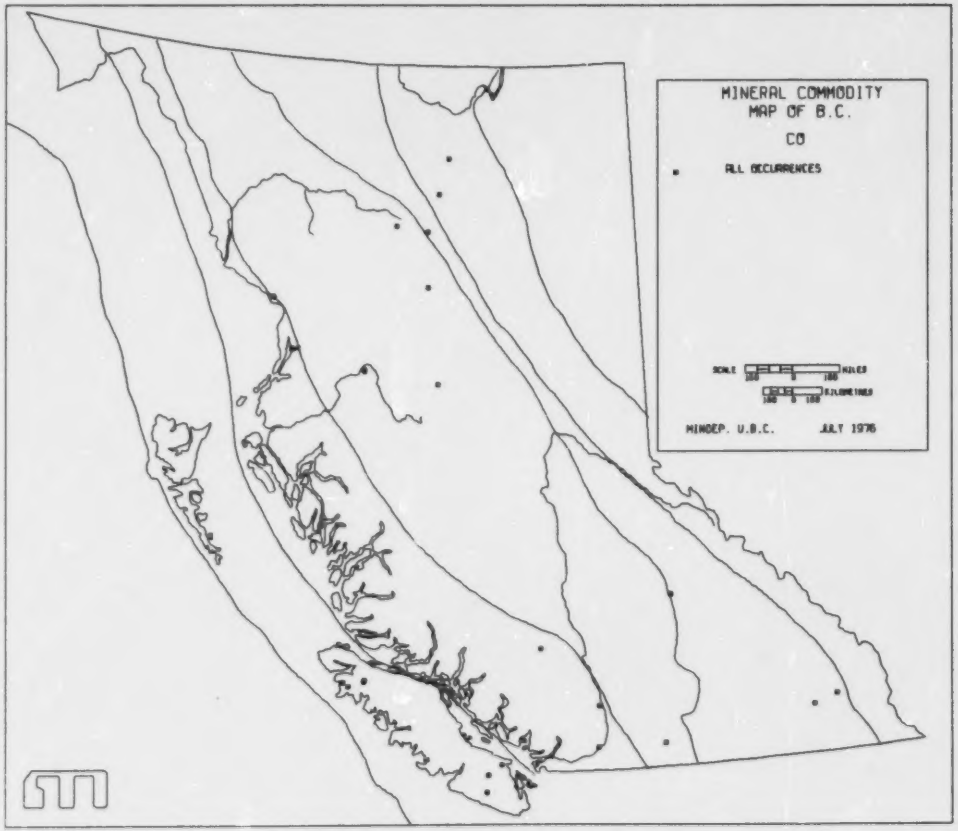
Map 19. Mineral commodity map — mercury as first, second, third, or lesser commodity.



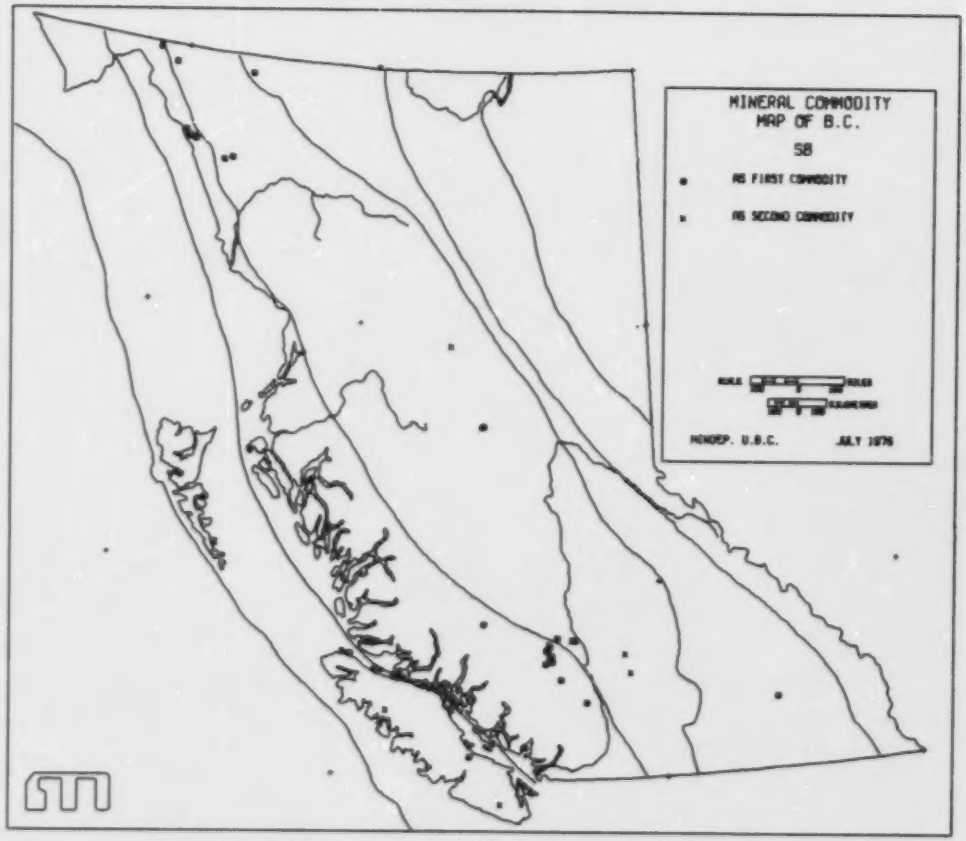
Map 20. Mineral commodity map — asbestos as first, third, or lesser commodity.



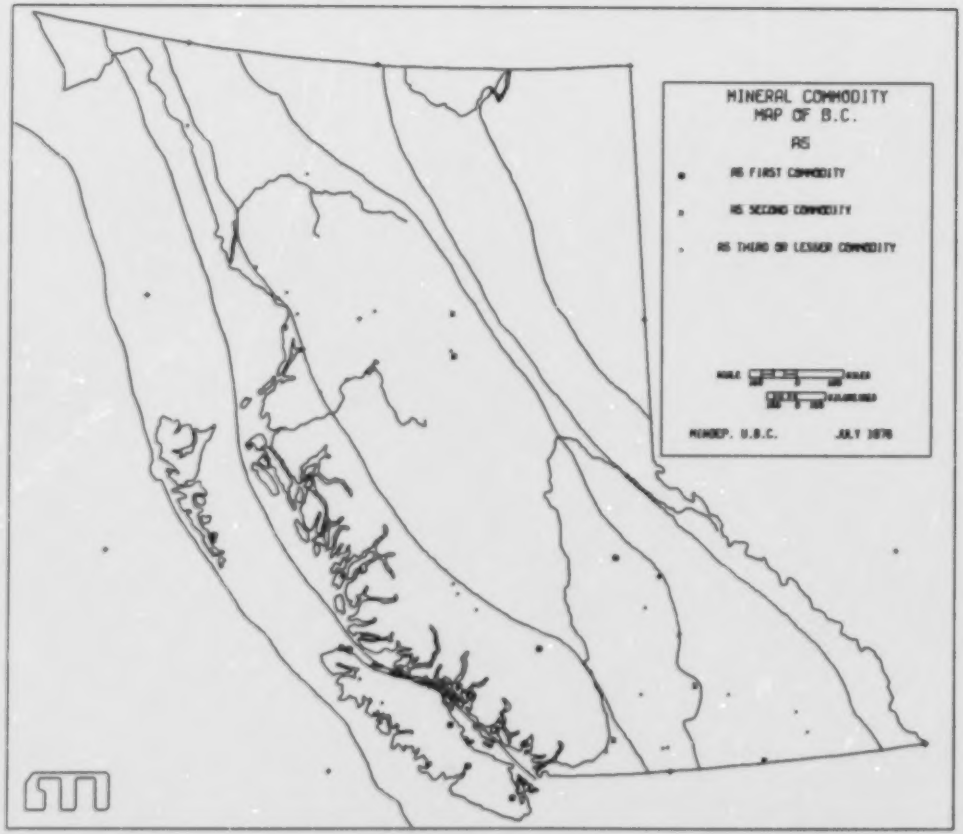
Map 21. Mineral commodity map – nickel as first and as second commodity.



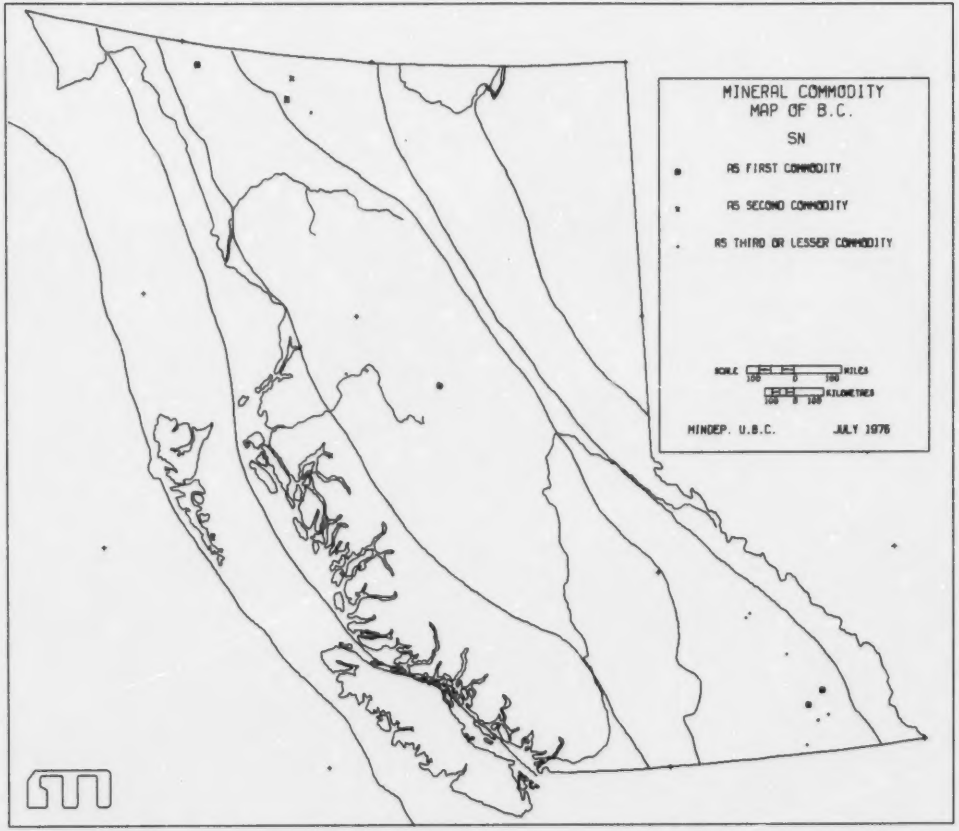
Map 22. Mineral commodity map – cobalt, all occurrences.



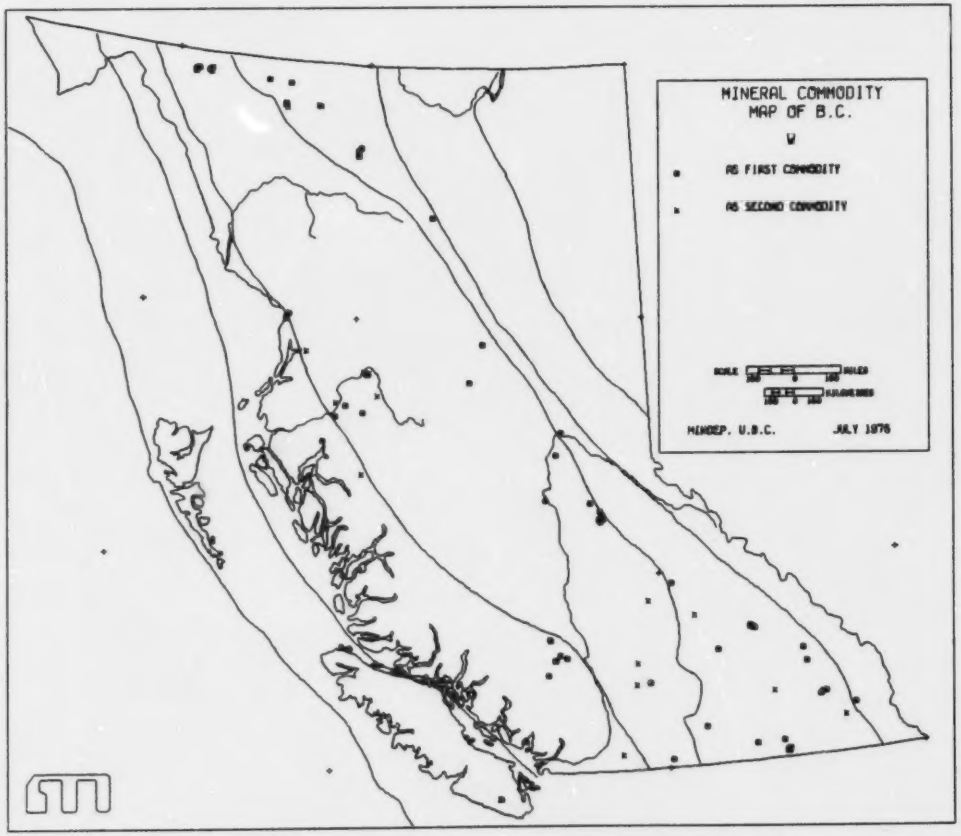
Map 23. Mineral commodity map – antimony as first and as second commodity.



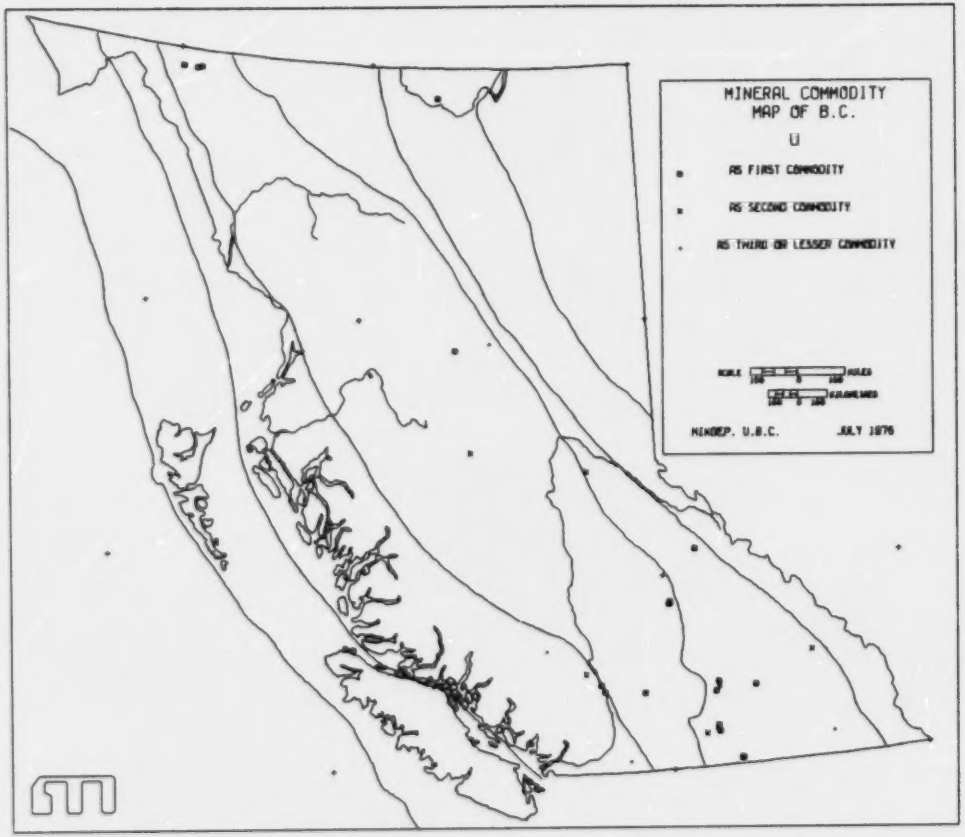
Map 24. Mineral commodity map – arsenic as first, second, third, or lesser commodity.



Map 25. Mineral commodity map – tin as first, second, third, or lesser commodity.



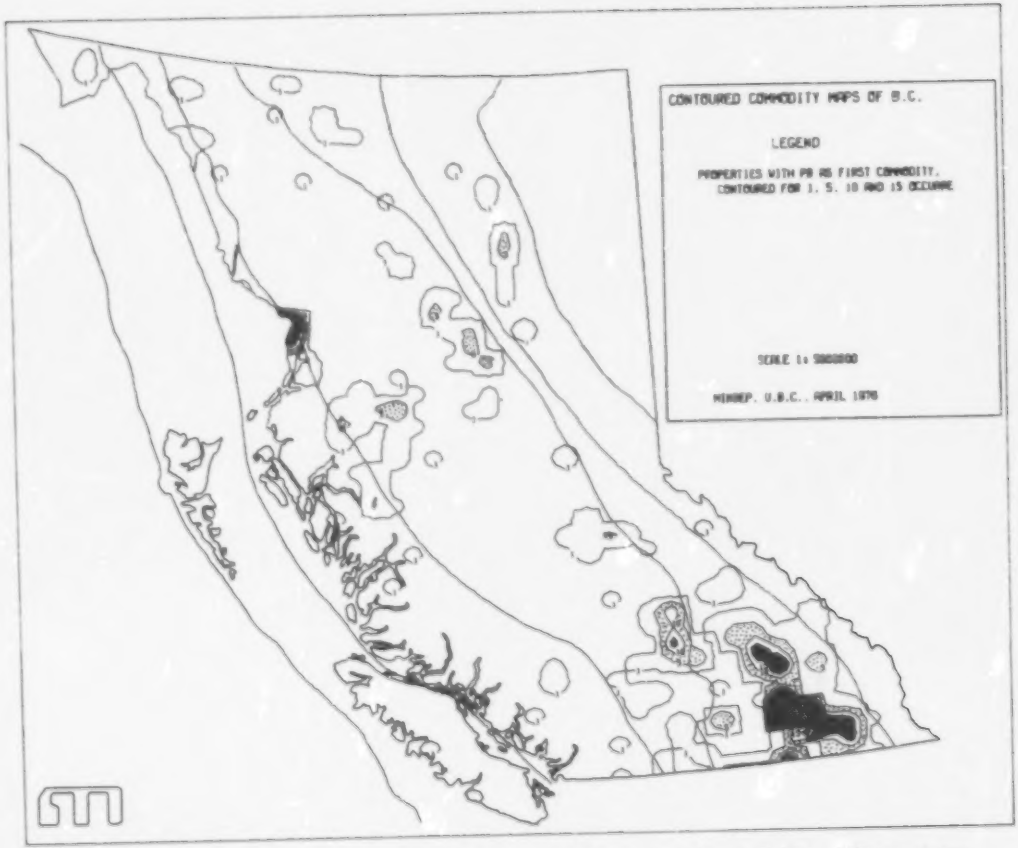
Map 26. Mineral commodity map – tungsten as first and as second commodity.



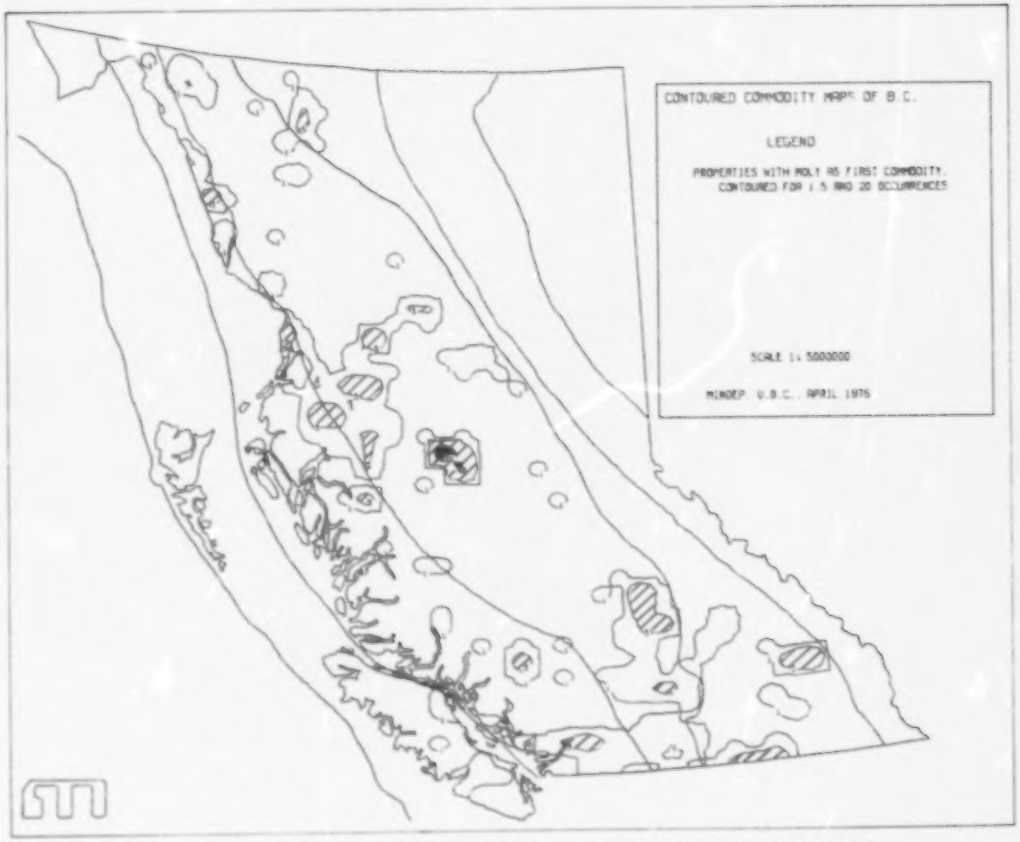
Map 27. Mineral commodity map — uranium as first, second, third, or lesser commodity.

CONTOURED COMMODITY MAPS OF B.C.
LEGEND
PROPERTIES WITH CU AS FIRST COMMODITY.
CONTOURED FOR 1,5 AND 20 OCCURRENCES
SCALE 1: 5000000
MINDEP, U.B.C. APRIL 1978

Map 28. Contoured commodity map — copper as first commodity, contoured for 1, 5, and 20 occurrences.


CONTOURED COMMODITY MAPS OF B.C.
LEGEND
PROPERTIES WITH PB AS FIRST COMMODITY.
CONTOURED FOR 1, 5, 10 AND 15 OCCURRE
SCALE 1:
MINDEP, U.B.C., APRIL 1976

Map 29. Contoured commodity map — lead as first commodity, contoured for 1, 5, 10, and 15 occurrences.


CONTOURED COMMODITY MAPS OF B.C.
LEGEND
PROPERTIES WITH MOLY AS FIRST COMMODITY.
CONTOURED FOR 1, 5 AND 20 OCCURRENCES
SCALE 1: 5000000
MINDEP, B.C., APRIL 1975

Map 30. Contoured commodity map – molybdenum as first commodity, contoured for 1, 5, and 20 occurrences.

II

APPENDIX

COMPUTER OUTPUT LISTS OF ALL OCCURRENCES

USED AS A BASIS OF THE MAPS

LISTED BY COMMODITY(IES) AND NTS SHEET

62L

Occurrence
Occurrence
Occurrence
Aetna
Ah Tsoo
Aldie
Argo
Arlington
Averill
B.C. (1.892)
B.V.P.R.
Bald Eagle
Banner (1.1199)
Barbara
Bat
Bay
Bear
Bf, No
Big Copper
Black Bear (1.2597e)
Blue Anex
Blue Jay
Bluebell
Bluebell
Bluebell
Boot
Bs
Bunar
Bullion
Bunker Hill (1.1609)
Cabin
Cache
Caledonia
Camp Hewitt 2
Camp Hewitt 3
Capco
Captain Gordon
Chunar, Quail
City Of Paris (1.622)
Cm
Cobo
Colleen
Collen
Copper Coin
Copper No. 1
Copper Queen
Crocuse (1.96e) (e-1e3)
Crystal Copper
Curlew
Cyclops
Dan
Dividend
Dnd 2
Dnd 4

Dnd 6
Dolphin
Elk 6

Elk 7
Elmore (1.972)
Emma (1.591)
Fap
Ffc
Fife (1.1161m)
Fmt 1 & 2
Fmt 3
G-to
Garnet
Gem (1.e47)
Glad
Gloucester (1.2039)
Golconda
Gold Drop
Golden Eagle (1.133e)
Great Hopes (1.60.)
Grey Eagle
Greyhound
Homestake
Homestead
Hop
Ike 1s
Ike 22
Iron Cap
Iron Horse
Ira Lenore (1.1e62)
Jj
Joe 5
Joe 7
July Creek
Kemo (1.1319)
King Mine
King Solomon (1.388)
Kingfisher
Knob Hill
Lapr
Lexicon (1.1303) (e-273)
Lexington (1.e65)
Libra
Little Bertha (1.959)
Loin
Lois Group
Lost
Lottie Fr.
Lucky John
Lynx, Late
M.m.
May Alice
Monarch

Montana (1.2e60)
Moreen
Morrison
Mother Lode (1.70e)
Mountain Chief (1.2393)
Mu.lie
Niabi

Old Ironsides
Opulence
Oro Denoro (1.692)
Pac
Packrat Group
Papex
Pass
Pathfinder (1.782)
Patricia
Pbe 31 And 32
Phoenix Mine
Pilot - Uta
Plato
Poppy
R. Bell
Rawhide
Red Rock
Richmond (1.2918)
Riff
Riverside
Rohan Fr.
Roy
Sand
Sappho
Seattle (1.652)
Shell No.1
Shell No.17
Sid
Sil
Silver Coin
Snowshoe
Stan
Standard (1.1e03)
Stemwinder, Montezuma
Strawberry (1.1705)
Sun
Tee O'Shaltor (1.2e05)
Tee
Tic Toc
Toney (1.1907)
Top
Top
Union (1.1021e)
Victoria
Volcano (1.1e7e)
War Eagle

Wendy
Windfall
Winter
Winnipeg (1.599)
Wp - Cati
X
Yellow Jacket
Yellow Jacket
?

62r

Abe Lincoln
Alfred
Anne
Blue Peter
Bob
Bracebridge
Burnt
Central
City Of Spokane
Cliff
Copper Canyon
Copper Queen
Creston Hill
Dora
Drue Lesson
Dyson Option Gp.
Elsie, Ann
Empire State
Eureka
Evans
Evening Star
Faller
Giant, Midget
Good Hope
High Peak
Homestake
Hundinger & Hernandez
Hungry Man
Iron Colt
Iron Horse
Kirkup
Lord Roberts
Ray-bee
Mcpeak
Monarch
Monday
Mystery
Ness
Northern Light
Option
Option
Rexmat
Queen Victoria
Red Mountain

Rex
Rockland
Royal Canadian
Silver King
St. Louis (1.9357)
Sullivan
Sunset (1.6563)
Tiger 1
Topaz
True Blue
United Copper
Victoria
Welcome & Enterprise

Welcome & Enterprise
Whitefish
Wilbur (1.7051)

62G

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Akasina
Beth
Betty
Big Bonanza
Black Hills
Blue Dragon
Blue Grouse
Burton
Cabin
Cher
Commerce
Commerce (zone B)
Commerce (zone E)
Copper Belt
Coronado
Dimple
Eagle's Nest
Ehlinger Group, Golden Fleece
Empire
Federal
Finley-Leask
Great Western
Green
Grey Copper
Hornet
Jennie
Jessie

Khedive Gp.
King
King
Kootenay-Selkirk
La Coulette Ridge
Lazy 19
Lazy 32
Lin
Lin
Lin
Lin
Lin
Luke Group
Mona # 1
North Kootenay Pass Co.
Omineca
Ramshorn
Sage 6
Sage 9
Silver King
Simmons
Sweet May
Sylvia

62G

Top 12
Top 27
Tri
Tri 30
Tri 38
Try Again
Wilds
Yankee Girl

62J

Occurrence
Swansea (1.2576)
Wesco
w90

62K

Ace
Acalla
Baldy
Cc
Condor
Copper Butte
Copper Cliff
Copper King
Copper Mountain
Delos
Dragon Group
Dutchy

Eclipse
Aladen Treasure
J
Jersey
JR, Nico
Key Zone Copper
Keystone Gp.
Precisteria
Rainy Bay
Rusty Axe
Sb
Snowshoe Group
Copper Horn
Tarheel Group
Tatler And Phoenix Group
Tennessee
Tom J
Tonawanda
Tms 19,20
Tms 9
Warren Cr. Copper

021

A
Ab 10
Ab 9
Alty
At
Bard
Bear
Bisson Lake
Bluestone No.9
Bluestone Zo
Brent
Cb
Copper Chief
Copper Cap
Copper Island
Copper King
Copper Nugget
Ef
Ela
Elk
Fly Hill
Goodenough
Iron Cap
Iron Mask
Joan Grouse
K
Keystone
Klondyke
Kn
Nia, Corr
Opair
Pot

Quest
Ruby
Sabre
Swan
Three Tramps
Victor
Vim

022

Occurrence
s And S
Sas
Cc
Ce
Ca
Ebi-ren
Emp
Fh
Genro
Geor-gue
Gopher
Grizzly
Hall
Harper
Hilltop
Hilltop 9
Iron Cap, 04
Joe, Art
Mf
Montgomery
Nanni
North Star(south Seeding)
Nsp
Oro
Pat
Pine
Ron
Soq
Penning
Slo
Son
Ruth
S Group
Sheephop Shoe
Sitting Bull
Tkow
Standard
Vic
Vm

023

Castlesale
Hasting Crest
Silver Sov

030

Also Ice(south-east Zone)

032

Anita
Bear Creek
Bocher Bay
Blue Bell
Copper Canyon
Cornucopia
Dora And Hazel
Eagle
Finlay
Hall Zone
Ironmask
Jane
Jhil
Key City
King George (1.75)
King Solomon
Kitkan
Lenora 6 Tyee
Margaret
North East Cu Zone
Old Copper Mine
Otter
Pauper
Penton
Salpa (1.77)
Sally No.2
Scotch Group
Sirius
T, 22
T, 22
Tom, Bee
Victoria
Viva
W.a.w.
Deathcamp (1.5aq)
Willow Grouse

032

Occurrence
Occurrence
Occurrence
Ab
Allies
Alpha-pete
Anomaly
Avalin
Blue Grouse
Bsc
Candy

Copper King
Copper Prince
Crown
Dc, Dv
Delphi
Dl
Dore 100
Dore 153
Dore 162
Dore 30
Dore 52
Dore 97
Dore 99
Flora
Flora??
Fraser
Gail
Gazelle
Gladys
Happy John(1.006-08)
Jan
Jd
Klanawa 6 Canyon
Koros
Lelia
Lorry
Lose
Mal-
Marble Cove
Marq
Mcilvar
Nat, Nit, Lz
Pat
Panther
Peterson
Pogo
Polly
Rene 3
Rex
Southern Cross
Southern Cross
Sunloch
T.b.
Tanoga
Tms 16
Tonitin

Val
Viking
Wolf
Xw

92A

Access
Bay
Exp 3
Exp 6
Geo
Hanquist Lake
Hanquist Lake
Hanquist 1-a
Indian Chief
Jr
K 16
Kn 1
Kn 21
Mc
Nemaih River
Ottawash
Ormond #2(1.35m)
Ormond #3(1.353)
Pm, Bu, Jb
Safe.l Point
Refuge Cove
Star Of The West
Syd
Sydney
Vannell

92F

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
A North
A South
Andy
B,dodo,ed
Bay Creek
Beatrice
Boo
Bert
Big Bluff
Big 4
Big 6
Big Interior
Blue Jay
Brint
Bruce 2
Bruce 5
Buttles Bell
Canadian
Cap Sheat
Cat
Catface
Cats Eye
Centennial

Charles Dickens
Chris
Chris
Coal Creek
Comodore
Copper King
Copper Sta.-st. Anahim
Copper Queen(1.4m)
Cornell
Cyprus
De Car Gp.
December
Deutscher No.22
Dv
Empress
Faith Copper
Florence
Forfarshire
Gem Lake
Good Hope(1.39m)
Great Expectation
Gretna Green
Hero
Hi
Hm
Hm 26
Hm 32
Horse Rump
Independent

Irishman Creek
Ivanhoe
Jack
Jo-jo
Jumbo
Juneau(1.6m)
Ken
Klappin
Kitchener(1.6m)
Ld
Little Billy
Ll
Lone Cone No. 13
Loyal
Lynx(1.966m)
Macmillan
Marmot
Mary
Mn 2
Mn 22
Moore
Murex
Native Copper Showing
Nic

A.B. (1.348)
Old Milk Gp.
Olympian
Paramount
Phantigen
Pr, Pr, JD
Qualicum
S
Rainy Day (1.379)
Raven
Raven
Rose And Belle
Royal Arch
Sac
Sandy Lane
Sentinel
Share
Smuggler
St. Joseph (1.58)
Strasberg
Superior
Tam
Tam, Mac
Three Jays
Three Sombstones
Tsimo
TT
Union Jack
Vanhall
Vent
Venus
Vern
Waite

92G

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
A M C
Andy
Bank Of Vancouver
Bar
Britannia
Bush Creek
Caledonia
Cambrian Chieftan
Cheakamus Bridge
Christina
Claveland
Clover
Copper Bay
Del No. 7
Dey
Fang
Grave A
H.L.
High Hopes
Horseshoe
Indian River Copper
Islander
Jubilee
Kf
King No.1
Landon
Lori
Lorraine
M.C.
Margaret
Max
McKinnon Group
Money Spinner
Orviner
Rab
Occurrence
P
Ray
Ray Gp.
Sam
St. John
Sun
Sundown
Venus
War
Zel

92H

Occurrence
A.M. (1.1585)
Al
Al
Alabama
Anita
Aray
Argentite
Ascot
Asp
At
Automatic Fraction
Axe
Axe
Azurite
Bank Of England
Bat
Bea
Bea, Ray, Queen
Big Dutchman Gp.
Big Kid (1. 1403)
Big Rhoss Gp.
Blue Bird
Blue Jay
Blue Stone
Bo
Bot, Bea, Bea
Boomerang (1.1561)
Boss
Brenda Rise
Brittne
Brittne Mountain
Bunk 21
Bunk 60
Bunker Hill
Chapeau And Sort
Cincinnatti
Cincinnatti Gp.
Cindy
Co
Copper Belle
Copper Cliff
Copper Fare
Copper King
Copper King (1.403)
Copper Kng.
Copper Standard
Copper Standard (1.1403)
Copper Star
Cousin Jack
D And J
Dago Open
Daisy Gp.
David
Day And Night
Dd
Dd
Deep Gulch
Denise
Dex
Dote #1
Dote #15
Dry Creek
Duchess
Dud
Duke Of York
Echo
Ej
Elk, Sleeper
Elk,fri,pr
Elm
Emerald
Empress
Emmalilies
Enterprise
Esp
Eva, Ann, Dan
Fab
Fairplay (1.2065)
Falco
Fan
Fan
Fk
Fraser
Friars
Gac
Georgia
Gladstone
Golden Gate (1.1332)
Golden Sovereign (1.1326)
Goldrey
Gosset, Ed, Bud
Grasshopper Mountain Chromite
Hal
Harrison Group
Hed
Hk
Hilton No. 1 And 2
Hilton No. 1 And 2
Hx-xxx
Honeysuckle
Horseshoe Gp.
Humboldt
Ian
Idaho
Independence
Ingersoll Belle
Ire, Ir
Jeff No. 43
Jennie Silkman
Jenson's
Jessie
Jill, Tom, Jjj
Jjj
Johnston
Jon
June
June Bug
Katalpen Mtn.
Kenley
King George Gp.
King Soloson
Kip (slim)
Knob Hill
Kr
Lee
Lela
Little Lottie (1.1790)
Liverpool (1.1180)
Lloyd George
Log
Lorry
Lucky Four - Goat Rose
Lucky Four (1.989)
Lur
Lytton
Mac
Malleee
Mag Group
Mal
Malachite
Marquis Of Lorne
Mik
Mine
Minnesota Lake
Mnk
Morning (1.2o4)
Motherlode
Mount Chess No. 2
Myrtle
Nellie 28
Nelson Pr.
New
Ni
Nighthawk
No.2
North Brenda
Number 14
Number 18
O'henry
Od
Olympia
Oregon
Oriole
Oronoco
Ox
Ox
P
Payco
Pine 18 Pr.
Pip
Pip
Pipe
Pogo
Polaris
Portland
Pr
Pr, David, Bridge
Prince J?
Prince 6
Princess May
R.B.
Rabbit
Ran
Ray
Ray
Re
Reco
Red Bird Gp.
Red Rock
Red Eagle
Red Star
Regal
Renfrew Gp.
Rex
Rex
Rick
Rifle
Roadblock
Rok
Rom
Rf
Shamrock
Shamrock Gp.
Silver Dollar
Simcak
Skagit #3 Pr.
Skagit Giant
Ske
Snake # 1 Pr.
Snow
Sob, Ilse
Southeran's
Spokane - Motherlode
St. George
St.louis Pr.
Star
Strike
T
Tan
Tan, Tat
Tc
Tex
Tin Cup
Toe
Tom Cat (1.1517)
Top-uno
Triangle Pr.
Trip
Tsl

Tulameen
Valley View
Vancouver, Victoria
Verde #3, New York
Virginia
Wel
What
Where 'a' (zone??)
Where 'b' (zone??)
Whip
Wilmac 12
Wilson
Wip,saw,pick
Wog
Yam

92I

(showing)
(showing)
(showing)
(showing)
Ab
Aberdeen
Ach
Ace
Afton
Afton, Dominion
Agate
Ajax(1.4710)
Al
Al
Alaso
Am, Ida, Va
Ann #1
Anwson Gr.
Argo
Arh #17
Ash, Cash
Ashon
Aye
A5, 5a
B
B & B
B.j.
B.K.
B, C
Bar
Be
Bertha
Bethlehem Copper - East Jerse
Bethlehem Copper - Huestis Zo
Bethlehem Copper - Iona Orebo
Bethlehem Copper - Jersey Ore
Bethlehem Copper - Snowstorm
Bethlehem Copper - South Sieo
Bethlehem Copper - White Zone
Bethsaida
Betty Lou
Bin, Comaco
Bin, Phelps Dodge
Bj
Blu
Blue Jay, Bee
Blueberry
Bo, Lf
Bob #8
Bon, N.C.
Bornite Ridge
Boy, Chatko
Brwcm
Buck
Buda
Buq Irish Gossan
Burl

Bx
Ca
Cab
Cal
Canopus Group
Caper, Cap
Cat 1
Chalco
Chalco
Chance
Charner
Chase
Chataway Lk.
Chatrands
Cherry 2
Cherry 7
Cinderella
Cliff
Cm
Coke
Cop
Copper Hill
Copper King
Copper Prospect Near Copper C
Copperado
Copperado - Tm1
Copperado- P66
Copperhead, Python
Cow, Bx
Cow, Bx
Cowbird
Craigmont
Crim
Cu 13
Curso, S.s.
D.B.
Deb
Deb
Den
Den 13,15
Den 76
Dewey
Diana 2
Don
Dor
Dora, Kay
Dot
Eagle
Ed
Ell
Empire
Eric
Etta, Peq, Jaqs
Evening Star
Eye
Exx
Fargo

Fargo
Farr Lake
Fiedler
Fiddler, F.b.
Fin, Luck
Fir
Flaq Zikroc, Tap
For
Ford
Frank 63
Frederick
Gaze
GB
Gem
Georgi
Gloria #1
Glossy
Gnat # 2 Fr.
Goldplate
Grey Hawk
Guernsey-jersey Group
Hank 30
Hank 4
Hat
Hc 3e
Highland
Highmont
Hit
Huestis, Dave
Huestis, Dave
I.m., Satan
Ide
Ind
Iron Hask
J
J - A
J.b. Dansey
Jac
Jan
Jay
Jay #101
Jay No.1
Jay 8
Jd
Jed
Jeff, Jack
Jericho
Jericho
Jhc
Jo
Joe-cat
Joe, Bet
Joker
Jordan
Joy
Jua
Justice Gp.

K
Kathleen
Kay 12
Kbn
Key
Key Hb
Keystone
Kimberly
King Solomon Dreas
Kl
Kon
Kr And K
Kr And K
Lake
Lakes
Lakeshore Deep Group
Lakeview
Larmon
Last Chance
Ld
Led 31
Led 76
Lea
Lea 1 & 2
Les
Lone Tree(1.4d3)
Lorna
Lorna
Lorner
Lost Chord
Louis
Louise
Lucky Mike
Lucky Strike
Lucky Strike
Lucky Todd
Lyna
M.e.
Mab
Mad Arab
Mag
Maggie Mine
Maggie Mine
Magna
Malachite Hill
Man
Man 44
Marb 3
Marb 72
Matt
Maxine
Md
Mer
Mickie Fr.
Mike
Mint
Mla, Rob

Molly B
Moly
Monte Carlo(1.4716)
Moss #4
Mud
Nancy
Nap
Nb
Ned
Nicola Lake
Nik
Nis
No. 7 Claim
Noonday(1.2563)
Nord
North Oro
Nye
O And P
O.k.
Occurrence
Oil, Gas, Saq
Ok
Old Alameda # 16
Ole
Ole-pat
Orphan Boy
Outrider
Outrider #26
P & B
P & L
Panther, Sarah
Park
Pat
Pavilion Gold
Pay
Peacock Group
Pen
Pi
Pie
Plug
Plymouth Queen
Pod
Pon Pon
Porcupine
Price
Pyrite
Pyrite
Quartzite
Raf
Raq, Opollo
Rain
Rainbow
Ralph
Red Hill
Red, Luv
Rey
Rich

Rickhill
Rio
Rio
Riv
Rm
Rob, Oro
Rocky
Rod
Roger's
Ron
Royal
Rusty
Rus, Isy
Rye Gp.
Sa
Sage-hilltop
Sahara Lee File
Salles

Salmo Prince
Salmo Prince Mines
Salmo Prince Mines
Salmo Prince Mines
Salt
San Jose
Sar
Sharon
Sno #11
Showing
Showing
Snowing
Shurly Central
Sweena Copper
Shooken Creek
sky 7
Soo
South Oro
South Seas Mining, Showing
South Seas Mining, Showing
South Seas Mining, Showing
South Seas Mining, Showing
spa, Scat, Jeff Sku
Spin
Spur, Tc
St.
Star
Strike
Sugar Loaf Hill
Sunshine 11, 13
Sunshine 8
T, Bil
Tan
Tan
Tar
Tar, J.L.
Tda
Tenderfoot (1.Sud)
Terry-coldstream Zone

Terry-pakaist Zone
Tex
Tip
Titan Queen
Tn
Toad
Toketic
Top
Toronto Mines Ltd.
Transvaal
Trojan
Trump
Tun
Utopia

V.l.
Valley
Vera
Victor
Victory
Viking
Vimy Ridge
v.p.
wdr Showing
wdr Showing
wdr Showing
Wendy
Wheal Tamar
Windsor
Wiz #3
Wiz 21, 30
Wren
Wr
Yukon
Zn 23

923

Autumn
Azure
Boulder
Br
Brancoss
Cap
Ch-je
Copper Queen
Eagle
Elk
Excelsior, Jumbo Surprise
Fitzsimmons
Gold King
Griswold
Je
King
Lake
London
Lori
Marq-ry
Moffat
Nichol
Owl Creek "b" Zone
Owl Creek "c" Zone
Pemberton
Rm
Seneca
Ski-qa
Sno
Texas, N
Tnc No.1

92k

Ajax
Allen
Asta
B, C
Bear
Big Amy
Big G.
Blue Bird
Boo
Boo
Boo
Butte
Cap
Chai 4
Colossus
Condor
Contact
Contact
Copper Bell Mine
Copper Cliff
Copper Mountain
Copper Queen
Copper Road
Copperopolis
Cormorant
Coronation
Cu Occurrence
Deer
Doe
Douglas Pine
Fb
Gold Exchange
Gold Thread
Gowland Island
Heriot Island
Hook
Hugo
Hummingbird
Imca
Ingersoll #2
Lana
Lark
Lea
Linda
Linda 1e
Lm 17
Mine
Monte Cristo
Native #1
Nickel Plate
O.K.
Ooc
Ol
Pomeroy
Princess
s. Hapo

Sadie
Rebecca
sed
S
Santana
Senator
Sq
Shookumchuck
Solomon
Solyman
Star
Sunrise
Sunset
Tanner
Tower
Virgo
vfp
White Swan
Win
wr
Wyao
Yz
zap

92L

Attack
Battle
Bay No. 21
Bay No.5e
berg
Berna
Bete
Bid, Bon
Billy
Blue Ox
Blue 1
Blue 2
Blue 44
Bon
Bon
Bonanza Mine
Boyes 4
Boyes, 6 16 3
Bp
Brad
Brooks
Bruce
Bs
Caledonia
Can, Ooc
Climax
Climax

Copper King
Copper Queen
Copper Showing
Cu
Cv
Davis
Deb
Easy
Easy
Erica
Edison (1.2e4)
Expo
Expo
Extension
Extention No. 5
Fang
Fern Hill
Frances
George
Gas
Har, Expo
Haw 12
Haw 14
Haw 15
Haw 26
Haw 34
Haw 40
Hazel
Heart
Hop

Hol
Hol
Independent (1.1955,1957)
Island Copper
Jack Of Spades
Jarr
Jr
Keogh
Kevin
Key
Kw No.58
Kw No.61
Kyu
Larson
Laura Lee
Lee
Little Joe
Lois
Lone Star
Lorena
Lucky Jim.
Lucky Strike
M

Marble Creek
Mexican
Mor
Simpkish Copper
Simpkish Copper
Simpkish Copper
Sootka
Sorta Shore
Off
Old Sport
Paulo 22
Pablo 24-2
Pablo 2e-3
Penny
Port
Princess
R
Rainier
Ran
Red Dog
Reef
Rm
Road
Rooney # 3
Rossland
Rupert
Sauce
Scorpio
Seal
Sinker
Star
Starr
Stuart
Twat

Tie, Susan
Tiny
Toby
Valt
Welcome Home
Wit 21
Wm
Wood Lake No.2
Wood Lake No.4
Yreka

92B

Occurrence
Occurrence
Occurrence
A And E
Alta
Bee 28

Cu as First Commodity

Bea 37
Blue 33-36
BN
Cindy
Duchaine
dOe
Jay
Lost Fiddle
MN
Mint Mtn.
Norfa 18
Norfa 20
Pin
sam 2
sam e6
Sandy
Sq.
Spokane L702
Tac

920

Abc
beaver
bjp
bmt
Bunker
Copper
Copper Mountain
Lynn
Empress
Fish Lake
Fish Lake (west)
Gc
grab
Hill
Red Dexter
Mike, Pat
Nl
Ne-canyon
Ne-westside
Noname
North-Rhode
Phair
PN
Seward
Snowbottom
sunnyside-paul
Spokane
Tech
A.J.E
Wyo

92d

AAJ

Beaver Dam
Best
Bear
C-800
Chris
Cp #17
Cp #34
Cp #53
Ec 60
Elmer
Fl
Gh
Good
Ida; Pot
Jan
Jan
K
L.A.
Lakeview
Mac-Mac-Small
Mank Creek
Mesa/Kulston Cr
Mnt
Owen
Pat
Pc-cp
Peach #1
Peach #5
Peach No. 2
Pit
Pycu
Ra
Red
Rip
RR
Sm
So
Shelly
Sheri
Sheri-952
Silver
Silver Lake
Skojaun
So
Sm-10
Sm-8
Sunshine
Tie # 1
Tie 94,3
Wash-Shaw
WC
WC

93a

Occurrence

Al
Ant
B
Bayshore
Bory
Caribou-Real
Cleo
Corey
Cu - Zn
Cz
Dj, Golden Horn-
Do
Fir Ridge
Fly
Gus
Ho
Hook
Hs
Jamie
Joy
Ne Ald Lo
Kid 77
Lea
Lo, Mo
Lynda
Mariner
Mary
Maud
Mo
Nd
Nolfat
Pine
Pine 5
Pine 9
Red
Rip
River 9
Silver Boar
Sl
Slide 209
Sue
Sue
Swt, Gavin
Wiggins Creek
Wiggins Creek
Wood

93b

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Aga
Ca
Kf

93b

Acala Colla Calef
Colla Coola
Hope
Cc
Cure Copper
Hunas

93a

Occurrence
Occurrence
Ace
Berg
Bon 2
[illegible]
[illegible]copprite
Cm, Ma

Azel
Berb
Bj, Jp, Barb
Conway
Copper Queen
Em
Gh
Gibraltar East
Gm
Gr
Grahite Lake
H.G.
Ha
Jan-summit
Kath
Kaldorfield
Mayday
Ne
Pollyanna
Wb
Walker (Gibraltar West)
Jurassol Volt

93c

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Aga
Ca
Kf

93b

Acala Colla Calef
Colla Coola
Hope
Cc
Cure Copper
Hunas

93a

Occurrence
Occurrence
Ace
Berg
Bon 2
[illegible]
[illegible]copprite
Cm, Ma

Deuce
Dominion
Fan
Gem
Gq
Glittering Glory
Ida
Irene
Jam 7
Jon
Kim
L & M
Len
Len 45,54
Lena 56,58
Max
Min
NR
NR (Cirque Showing)
No
Mt. Baptiste Occurrence
Nanima Option
Ovp (Lane Showing)
Ox Lake
Pam
Pintleearth
Pondosy
Rd
Rea, Ti
Ron 10
Ron 4
Ron 63
Ron 67
Rot 40
Simola
Slide
Special
Sutel Pass
Sun
Tenle Mtn.
Tets
Troitsa
Troitsa
Troitsa
Twin
Two Bear Hill
Vee

shit

93f

C
C, 2

Cap
Cap, Tut, T
Che
E, O
Goddot
H
Ko
L
Mat
Tat
Tet
see Mcgregor
Wt

93e

Cougar
W, Gq, Bo
Jo
Leon
M
Stone Creek
Tamor
Thunder
Thunder
Wanda

93m

Dune
Hutton
Sweetwater
Trilonite
Van Winkle

93l

Barbara Eliot
Copper Welch
eet, Ma

93j

Nick

93a

Occurrence
Bl
see Mtn. (three Star)
Diana
Man, Fir
Mat
J
Jim, Green
Ma

Mary Ann
Mechako
Radio Gold
Sonya-Hectoria
Tsitsutl Mountain

93L

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
A
Allie
Alp
Apex 18
Apex 8
Apex 9
As, Da
B Group
B.L.(p.q.)
Barb
Big Onion
Bill, Jo
Bj, Da, Helen
Bonanza
Bonn
Bornite
Brenda
Bymam P
Canadian Citizen
Cariboo Ptarmigan, Car, C.p.
Cassiar Crown
Cassiar Crown
Cee
Chapin
Code
Colorado
Copper Queen
Copper Queen
Cortina
Cougar
Crater
Deep Creek
Deer Claims
Del, Lou
Dome Group
Dominion
Donna, Karen
Drift
Duchess
Duke

Ed
Eureka
Evening
Fq
Foq; Fly
G.k.
Gaul
Granisle Mine
Gsc - 1971 - #1
Gsc - 1971 - #10
Gsc - 1971 - #11
Gsc - 1971 - #12
Gsc - 1971 - #13
Gsc - 1971 - #14
Gsc - 1971 - #15
Gsc - 1971 - #18
Gsc - 1971 - #19
Gsc - 1971 - #2
Gsc - 1971 - #20
Gsc - 1971 - #4
Gsc - 1971 - #5
Gsc - 1971 - #6
Gsc - 1971 - #7
Gsc - 1971 - #8
Gsc - 1971 - #9
Gsc 1971 - 16
Gsc 1971- 17
Hankin
Hankin
Harvey
Hb, Aj
Heather
Hom
Hubert
Idaho
Jacob
Jan
Jila
Joe B
Joe J
Joker
Joker
Kare
Katza
King, Jackpot
Lakeview, L.v.
Last Chance
Lava
Lava
Lefty
Lorraine
Lou
Lucky, Lady
Lucky, Lady
Lunlik
M
Mag

Max
Mo
Mohock
Msj
Newman Peninsula
Nh
O, El, Pas
Pan
Pete
Pete, Bob
Pillar
Poplar
Princess
Pro
R
Rainbow
Red
Red
Redtop
Reisiter Creek
Rock (loljuh)
Rudy
S.g. (man Goosly)
Sal
Santa Maria
Sat
Silver Pick
Smithers Copper
Snow
Star, Klondike
Starr
Stock
Strathcona
Stu, Al
Success
Summit
Susan
Tachek Island
Tachi
Thezar # 81 (east Zone)

Thezar #75 (west Zone)
Tom
Tony
Topley
Trek
Tribune
Walcott
War Eagle
Wolverine

93M

(showing)
Ace
Arnaqosa
Bab
Bare
Ben
Berqsten Basin
Beth
Big Joe
Blunt
Brian Boru
Brian, Add
Cap
Carr
Cavz
Copper Basin
Da-nak
Daisy
Daley West
Dorothy
Dot, Lory
Driftwood
Drone
Fire Group
Fort
French
Golden Wonder(1.3322)
Great Ohio
Haut
Highland Boy
Hol
Hot
Hudson
Jake
Jan
Jan
Kam
King
King
Korit
Loudal
Lyan
Marc
Mast

Miami
Mick
Molly
Morrison
Mt
Nak
Newman
Niche
Off
Orbi
Phi
Mo
Rocher Deboule

Shel 19
Smel 7
Showing
Showing
Snoopy
Suskwa
Three Hills
Wasp
Wolf
Yola
Za

93N

Occurrence
Adda
B Group
Bal
Big, Bill
Bob
Bol
Bux
Camp
Col
Col
Cu Occurrence
Cu Occurrence
Cu Occurrence
Cu Occurrence
Cu Occurrence
Cu Occurrence
Dingle
Dorel
Dorthy
Dp 14
Duckling
Elizabeth
Far
Flame
Fore

Fox
Frankie
Gav, Slope
Germ
Gk
Gun, Bid
Haggis
Hal
Hawk
Heath #1,3
Heath 2
Hi
Hoyem Mines
Hoxey
Jay
Jean
Jeno
Jo Ann
Jw
Kip
Klawli
Kw
Lin
Linc
Lo
Loop
Lorraine-lorrex
Lsl
Luc
Lucy
Mosquito

Night Hawk
Nina
Ns, Nsz
Nik
Nu
Nondah
Not
Nt, Sk
San; Nik
Slide
Srm
St.
St, Dc
Sunset
Tam
Tan
Ted
Top
Twin
Tyger
Valley
Vector

CU as First Commodity

Windy

94B

W.L.

94C

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Betty
Burden
Chief Thomas
Chowika Creek
Dave
Dove
Kan
Natetlo Copper
Nd
Oy
Pelly Creek
Pika
Porphyry Creek
Sarah
Vega

94D

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Ard
Arja7
Arp
Arp
Anitka
Anitka
Anitka River
Anitka 19
Anitka 29
Anitka 33
Anitka 60
Anitka 8
B
Bap
Barn
Bear
Bearax

Birch
Bird
Bou
Copper, Magnum
Copper, Magnum
Croy (Shell)
D.S.
Dave
Day
Fred Ii
Fred 2
Go
Grizzly-ork
Group 1 And 2
Horn
Kaza Copper Ltd.
Kli
Liz
Mar
Marmot
Motase A
Nikos
Omineca Fault
Pac And Can
Pan
Pat
Pluto
Quin
Red
Rim
Roy
Soup
Sun
Sustut Copper
Thor

Tie
Willow

94E

Al
Black
Bower Creek
Cairn
Castle Mtn.
Chuck
Chukachida River
Claw
Cu #1 Showing
Dike
Earl
Ed, Ehl, Belle
Ehl

Fred
Garnet
Goat
Harson
Keeean
Mack
Malachite Mesa
Pill
Pillar
Pine
Pine
Put, Hump
Rat
Red Rock Mines Ltd.
Rev, Rpm
Riga #19
Riga #21
Saunders 162
Shas
Son
Spartan
Spinel Creek
Stone
Theban
Tk
Vip 29
Vip 7
Wan
West
Xelos
Xmas

94F

Akie River
Blue
Fran 4-5
Wedge

94G

Occurrence
Neil Jr.
Tri

94K

Occurrence
Occurrence
Ann
Anne
Billy Gp.
Bob
Bob
Book
Bronson

Callison
Chopper 3
Chopper 5
Chopper 7
Chopper 9
Churchill
Churchill Copper Mine
Cu Occurrence
D
Doug Vein
DR1
Dde
Eagle
Ed.
Gang Gp.
Gataga 19
Gataga 9,11
Goat
Harris
Hd
Ho, John
Jan
Joan
John
Keays
Kid
Lady Luck
Lady Luck?
Lee
Leejay
Meindl
Manny
Neil
P
P 12
Pink
Pj
Pj 100
Pj 105
P75
Rich
Strangward "a"
Strangward "n"
Toad
Toro
Toro
Williams
428

94L

Occurrence
Dall Lake
Demetiah Creek
Frog
Gataga River

Tucho

94M

Occurrence
Gm 6 Liard

102I

A.h.
Aaa 48
Aaa 6
Aird
C.s.06
Cape Scott Zone
Ed Creek
Kains
Millington
Stranby Main Zone

103A

Hidden Lake

103B

Occurrence
Occurrence
Occurrence
Occurrence
Copper Coin
Copper Island
Copper Queen
Eagle Tree
Flo
Gigger
Hope
Ivan
Lily
Lotus
Louscoone
Lucky Seven
Maple Leaf
Real Ticket
Modoc
Moresby Island
Nick's Showings
Oceanic
Raspberry Cove
Reco
Sakai
Skincuttle Island
Swede
Togo
Wireless

103C

Occurrence
Garnet

103F

New
Downie Is. Showing
Gndal
Hino
Northwester
Nra
Security

103G

Occurrence
Banks Is.
Copper Bay
Donaldson Creek
Gibson Girl
Great West
Ixl
Kingkown Lake
Wild Goose

103H

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Abruzzi
Bolton Group
Bute
Drumlimmon
Ecstall
Golden Crown Group
Hew
Ken
Kildala
Ox
Payroll
Western Copper
Whale Channel

103I

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence

Occurrence
A - Claim
A-8
Allard
Allard
Autumn
Avon
Bessie Homestake
Beaver
Belway And Bet
Betsy
Black Bear
Bonanza
Calendar Group
Continental
Copper King
Copper King
Copper King And/Or Nugget
Copper Queen
Cordillera
Croesus
Df
Gladsm
Diorite
Emma
Four Aces
Frisco
Galena
Globe
Golconda
Gold Dome
Grey Copper
Grotto
Hal
Hidden Group
Hugale
Hunter
I.X.L.
Imperial Group
Independence
Independence
Jeannette
Kenzie, Valhalla
Keller
Keystone, Lucy O'Neil
La Libertad
Lady Luck # 1,2,3,4
Lady Luck #7
Little Wonder
Little Wonder
Lucky Jim

Lucky Luke
M And K

M And K (upper Showing)
M And M
Macex
Madden
Molybdenum Creek
Montana
Northwest
Northwest
Nugget
Nx Group
Nx Group
Peerless
Poor Boy Group
Porph
Portland
Prairigan
Rbf
Ray
Shenandoah
Silver Basin
Silver Horde
Silver Kitts
Single Burst
Snow
St.elmo
St.paul
T
Toulon
United St.croix
wells
Windfall
Xyz

TWIN

Occurrence
Occurrence
Occurrence
Bald Mtn.
Copper Coin
Etta
Jittney

103C

Occurrence
Jj-c
Mj And Jl Bostrome
Outsider Group

103P

Belle Vue
Beverly
Bonanza
Boulder

Carpenter's Claims
Cd, Cu
Copper Cliff
Dan Patch
David Copperfield
Deadwood
Dominion
Double Eu
Eden(sax)
Fox
Fox
Golden Crest
Hidden Creek
Homestake
Horseshoe
Kinsman
Knobhill
Maple Bay Gp.(could Be Bay)
Monarch
Morning Star
Nabob
Observer
Prince George
Prince John
Red Bluff
Red Point
Red Roof
Redwing
Rose Antelope
San Diego
Seabee
Sunset
Sunshine
Tip Top
Vanguard
War Dance
Wildcat
Zorba

104A

A & T
America's Girl
Bornite
Georgia Copper
London, Chicago
Lucky Frenchman
Maybee
Nina
Olga (hill 60)
Red Cliff
Red Cliff Extension
Red Top
Southern Cross
Todd
Tyee

104B

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Ajax
Betty
Betty, Nw
Bron
Ca
Cat 6
Dirk
Don
Grace
Granduc Mine
Inel
Joannie Mtn.
Kam
Kim
Mona
Mud Glacier
Pina
Pm
Ray
Ray
Shad
South Ledge
Tami
Ted, Ray
Twin Glacier
Unuk
Up

104J

Adaon
Kitchener
Tap, Gay

104G

Al
Apex
Arc
Art
Avon
Bell Creek
Ben Ha
Bird, Sam
C
Calbreath
Cone Mtn.
Comment

Copper Canyon
Cos
Devils Club
Doc
Doa
Dok 1-4
Dok 35
Drapich
Empire Mercury Corp.
Galore Creek
Galore Creek-butte Deposit
Galore Creek-junction Deposit
Galore Creek-north Junction
Galore Creek-south Butte Dep.
Galore Creek-south 110 Creek
Galore Creek-Southwest Dep.
Galore Creek-west Fork Glac.
Galore Creek-west Rim Deposit
Glenora Anu King
Goat
Goat
Greg
Great Creek
Gu
Hawk-beaver
Horn Gp.
In
J.w.
Jay, C
Jo
Joan And Mo
Jw #8
Limpoke
Limpoke
Limpoke (original)
Little Lou
Llk
Mo, Aoq
Moss
Moss Creek
Middle Scud
Nimsumjay And Conover Mtns.
Nabo
Nabo 13
Naus 21

Nb
North Scud
Np
Pepsi, Micha
Pb
Poke
Pr
Queen Creek

R.m.
Racicot Syndicate
Sun
Scud Syndicate
South Scud
Spartan Explorations
Spectrum
Stikine Copper
Stikine North
Su (split Creek)
Vb 12
Vb 20
Vb 5
Wolf

104H

Occurrence
Chris
Eulue Lake
Joy 84
Joy 87
Money
Pay
Red, Sus
Rose
Sun
Tmetoquesus Creek
Windy

104I

Agnes
Ant
Ann 8
Bcr, Ss
Bee Group
Bell
Cap, Flat
Cleo
Cm
Cobalt, Iron Pyrrhotite
Cop
Crown
Darvenie
Gb
Hc
Horn, Lee
Jeff
Joy
Joy 84
June, Stikine Hill Zone
June, Stikine, (creek Zone)
Kac
Kay 19
Kay, Kim, King

Bay
Exp 3
Exp 6
Sydney
Vanhall

92F

Occurrence
Occurrence
Occurrence
Occurrence
Andy
Bee
Blue Jay
Cat
Catface
Cyprus
Dominoe
Dominoe No.23
Foremost Copper 83
Hetty Green
Hi
Jumbo
Little Billy
Li
Lone Cone No. 73
Mary
Nic
Noble
Pteralgen
Pu, Te, Jb
Rex
Tex, Bob
Tofino (Hicks)
Tt
Velvet 913
Vent

92G

Andy
Bank Of Vancouver
Clover
Dog
Group A
High Hopes
Hoo
If
London
Lori
Margaret
No
Rab
Occurrence
Red Jacket

Roy Gp.
St. Paul
Stave River Group
Stave River Group
Sundown
Thistle
Venus
Ver
Zel

"2H

A.e.(1.7505)
Ash
Axe
Brenda Mine
Copper King
DH
DI
Dote #1
Dote #15
Empress
Forks
Good Hope #1
Goosan, Ba, Pod
Red
Independence
Ira, Ir
Jeff No. 83
Jo
Joe
June
Last Chance(1.570)
Log
Lucky Four(1.909)
Moc
Mammoth
Narn 76
Nantor Ace
Nog
Myrtle
Nighthawk
North Brenda
Pip
Pip
Pipe
Rich
Snow
Snow
Ta
Totem Pole
Wel
What
Why
Wip,exe,pick
Wng

92I

(shooting)
Ach
Agate
Ajp
Ae, Ido, Ve
Anr #1
Aye
B.a.
Bethlehem Copper - Hanestia So
Bethlehem Copper - Iona Strobo
Bethlehem Copper - Jersey Ore
Bethlehem Copper - Spad Lake
Bethlehem Copper - White Lone
Bethsaida
Boy Irish Gaoman
Chen
Cop
Copperado - Tn'
Cris
Cu 73
Curoo, S.a.
Diamond 5
Evening Star
Fiddler, F.b.
Gasa
Gb
Gnat # 2 Fr.
Gold Bug
Highcost
Hoestia, Dave
Ido
J - A
J.b. Dansey
Joe
Joy #301
Jericho
Ken
Key Pb
Keystone
Kimberly
Kr And K
Led 37
Led 7e
Leo
Lornex
M.e.
Maggie Mine
Maggie Mine
Martel
Miet
Mot
Mo
Ob
Ole

Ole-pat
P & R
Red Hill

92I

Bay
Bichhill
Bod
Bach
Ballsa
Spur, Tc
Tee
Tomi
Vernon

92J

Arizona
Autumn
Beat
Chalco 12
Chalco 5
Copper Queen
Day 1
Day 2
Elk
Fall
Griswold
London
Nichol
Owl Creek "B" Zone
Owl Creek "C" Zone
Salal Creek Moly (no, H)
Salal Creek Moly (plug, Sal)
Shi-go
Sno

92K

Colonnes
Condor
Deer
Lee
O.k.
R. Wapo
Red

92L

Bay Fo. 27
Bay No.56
Berg
Bowerman
Cu
Expo

Heart
Hop
Inland Copper
Keogh
Lois
Nimpkish Copper
Nimpkish Copper
Red Dog
Rh
Road
Sauce
Scorpio
Sinker
Star
Starr
Tent
Tie, Susan

92N

A And E
B.h.e.
Ben 28
Ben 37
Blue 33-36
Bn
Decharne
Eo
Horfa 18
Horfe 28
Sue 2
Yue 66

92O

Banner
Bjb
Bor
Buzzer
Copper
Eggs
Fish Lake
Sad Nantor
Se-canyon
Se-ventaldo
Mohawk
Pe
Rowbottom
Top
X,y,z
Zen

92P

Aja
Beaver Dam

C-ono
Bc 60
Ellen
Fl
Hamilton Creek
Hood
Jub, Ben, Az
Judy 77
Judy 8
Line
Mac-stan-skull
Mad-nod
Math
Mo
Sands Creek
Savona Gold Mine
Ul-teepee

92A

Dj, Golden Zone
Pet, Gavin

92B

Gb
Gibraltar East
Gm
Gr
Granite Lake
H.d.
Hm
Kato
Mm
Pollyanna
Sunset (Gibraltar East)

92C

Ef
Mo

92D

Bone
Bunn
Bunn

92E

Berg
Con
Co, Ro
Donce
Fab
Gem

C9 and 20 Occurring

Ice
Ida
Joe
Kia
King
L G B
Land Empire
Lea
Lea 45,54
Lena 56,58
Mia
Mi
Mi (Prongs Showing)
No
Ot. Baptiste Occurrence
Osaka Option
Old Misty
Peg (Lake Showing)
Qu Lake
Pea
Pintledance
Rd
Ros, Ti
Sibola
Sarai
Sarai Lake
Trotten
Whit
Whit

930

C
C, S
Cap
Cap, Tot, T
Chs
S, S
Sadot
S
So
L
Sat
Sol - Sit
Tot
U-

935

Ours

932

Occurrence

938

Jim, Green
Ko
Large
Mu
Radio Gold
Silver Fox (1.6097)

931

Occurrence
Allie
Barr, Lybdence
Big Unless
Peg; Fly
Glacier Gulch Golybdence
Grubstake (for)
Hope
Jarvo
Jan
King, Devon
Lava
Lava
Log
Mineral Hill
Mineral Hill
No
Horico Mountain
P.O., B.L.
Poplar
Pro
Selector
Sock (Lollob)
Sot
Star, Klondike
Terai
Van, Syt

930

(showing)
(showing)
Ann
Anne
Anne
Bon
Big Thing
Glen Lake
Giant
Grint, Add
Carr
Coat, Ike
Daisy
Daisy
Dorothy
Fog
French

Goat
Gol
Got
Ice
Jan
Jan
King
King
Laura Dear
Mary
Molly
Mt
Picho
Off
Poon
Red Rose
Rob
Sal
Shel
Shel 19
Shel 7
Saltana
Snakes
Victoria
Wolf
Ya

930

Bal
Born
Camp
Chacht
Col
Dorel
Dorthy
Duckling
Flame
Frankie
Gal
Gi
Gogoe Glass
Jean
Jo
Ko
Lia
Lod
Rosdah
Sas; Gia
Smoke
Sooner
St.
Tap

90C

Croydon
Porphyry Creek
Ruby

90D

Barn
Bear
Bird
Bortatello Creek
Bugs
Eliyel(miller)creek
Harnot
Botaco B
Join
Red
Sia
Son
Ther

90E

Reasco
Pot, Soap
Riga 015
Riga 021
Spartoo

90F

Fox Fume

1038

Hidden Lake

1039

Sick's Showings
Takalaska

103C

Garnet

103F

Bar
Sino

1036

Gibson Girl
Great Boat
Garble
Old Bones

1038

Bate

103I

Allard
Allard
Colony And Fox
Denes
Canadian Swede
H, Edi
Hal
Kit
Kitimat River
Lady Luck
Lady Luck # 1,2,3,4
Lady Luck #7
Lucky Fortune
Nacer
Golybdenum Creek
Phoenix
Ray
Rye

103P

Ajax
Lucky

104A

Little Pat

104B

Occurrence
Occurrence
Occurrence
Betty
Big Showing
Bruce
Ca
Inel
Red Glacier
Ted, Ray
Vault

104F

Tap, Ray

1046

Bell Creek
Bird, Doe

Bok 35
Greg
Limpoke
Limpoke (orig
Lik
No, Keg
Reno Creek
Robe
Quash Creek
Sun
Spectrum
Stikine Copper

1048

Chris
Tom

104I

Bur, Ro
Cap, Flat
Born, Leo
Joy
Joyce
Lot, Tak
Ray
Rep
Sia

104J

Bisco
Ku
Jim, Buck
Mack
Shield

104K

Occurrence
Bing
Bo-7
Elaine
Ray(lin)
Lo 2
Mr
Born
Born
Pat
Red Cap
Tuna
Thorn
Tun

1040

[illegible]
[illegible]
[illegible]

Pha

929

Pollaidh
Lenora And Tree

92I

Dyner Dog
Shannon

929

Billiman Group
Metamaffic
Twing
Hazmat

92I

Fairview
Sunshine 7
Tulsa Cr.

92J

Arizona

92L

3, 8, 9
Caledonia
Jim
Doo
Do
Red Dark

93L

Black Fox
Magma
Iron King
Manin
Mayflower
Relentless

94G

Silica Creek

94I

Tip 98

Banks East

9838

Porkpork

983P

I.s.l.

9845

Devils Elbow

9787

Occurrence

Occurrence
Occurrence
Occurrence
S.V.p.h.
Door
Do
Calles
Copper Do. 7
Don
Tik 4
Ela 7
Garnet
Gloucester(L.2067)
Golconda
Ina Lenore (L.7262)
Joe 5
Jon 7
Libra
Pilot - Ota
Riverside
Ray
Sid
Sil
Stan
Tam O'Shanter(L.2+85)
Tee
Tic Toc
Top
Windfall
Wp - Cat1
X

929

Airbap
St. Louis(L.9357)

92L

Al
Bard
Bear
Bimaco Lake
Sabre

920

Bishop
Sirius

92C

Allico
Stellia

Polly

927

Bay
Exp 3
Exp 6
Sydney
Vauhall

92P

Occurrence
Andy
Bee
Cat
Catface
Cyprus
Dominor No.22
El
Jumbo
Little Billy
Li
Lone Cone No. 73
Mary
Nic
Pteranigan
Pu, Pu, Jb
Tom, Bob
Ty
Yeast

926

Andy
Bank Of Vancouver
Clover
Day
Group A
High Hopes
Of
London
Lori
Margaret
Rob
Occurrence
Roy Gp.
Sundown
Venus
War
Zel

928

Brenda Mine
Copper King
Dd
Dd
Dote #1
Dote #15
Empress
Gowan, Da, Ded
Hod
Independence
Ira, Ir
Jeff No. 81
Jon
June
Lucky Four(L.769)
Mac
Myrtle
Nighthawk
North Brenda
Pip
Pip
Pipe
Rich
Zone
sol
What
Wip,sow,pick
Woq

921

(showing)
Ach
Agate
Ag, Ido, Va
Ann #1
Ayo
B.A.
Bethlehem Copper - Hostile Zo
Bethlehem Copper - Iona Orebo
Bethlehem Copper - Jersey Ore
Bethlehem Copper - White Zone
Bethesda
Big Irish Goosan
Cap
Copperado - Tel
Cris
Cu 73
Curse, S.o.
Evening Star
Fiddler, F.b.
Gaza
Gb
Goat 0 2 Fr.

Jew
J - A
J.b. Danney
Jac
Jay #101
Jericho
Ken
Key Mb
Keystone
Kimberly
Kr And K
Led 31
Led 7a
Lee
Lorner
m.c.
Maggie Mine
Maggie Mine
Mint
Nb
Ok
Ole
Ole-pat
P S B
Red Hill
Rey
Richhill
Rod
Sallwp
Spar, Tc
Tae
Toad

92J

Autumn
Copper Queen
Elk
Griswold
London
Nichol
Owl Creek "B" Zone
Owl Creek "C" Zone
Shi-qa
Zac

92K

Colossus
Condor
Deer
Lee
O.k.
T. Wapo

End

Ella

Dec Ch, 27
Oct Ch,59
Emily
Fe
Fanny
Count
Dog
Island Improv
Joseph
Julia
Klamath Improv
Klamath Improv
Red Dog
Ok
Road
Susan
Seaside
Sister
Stat
Stuart
Tim, Donna

Kim

A Lot O
Abe 29
Abe 27
Alan 55-75
Ba
Barbecue
Bo
Boats 79
Boats 29
Fam 2
Jen 76

Kim

Bayview
Bib
Bon
Bonnie
Cheyne
Ryan
Fish Lake
Got Easter
Ho-ovayos
Ho-ewalalla
Hokum
Ho
Hoodsport

S.P.O
Sam

Sam

Summer Sun
C-ann
Do 60
Ellen
Fl
Good
Gar-ston-shell
Do

Ell

Fl, Golden Dome
Got, Gavin

Kim

Bb
Chocolat Goat
Do
Dr
Granite Lake
H.S.
Do
Goto
Ha
Hollywood
Invert Chlorifor Goat

Kim

Of

Kim

Anne
Donne

Kim

Abra
Ira
Ira, Do
Laura
Pat
Ron
Ula
Jim
Ola
L J O
Lan
Lou 40,50

Lone 54,59
Ola
Ok
Ok (Oregon Showing)
Do
Ot, Baptista Occurrence
Double Option
Dog (late Showing)
Do Lobo
Pge
Plattsdesse
pd
Sam, Ti
Sibola
Trotter
Whit

Sam

C
C, S
Cap
Cap, Tot, T
Chn
S, O
Gabot
O
Do
L
Got
Tor
Ot

Kim

Ala, Grace
Do
Eddie Gall

Ell

Allie
Big Chief
Jacob
Jan
Lara
Lou
Ma
Poplar
Pre
Sack (Gallub)
Sat
Stat, Glenallen
Tachi

Kim

Ann
Dan
Elect
Gerald
Gerry
Jan
Jan
Ling
Ling
Sally
St
Sirbo
Off
Shel 79
Shel 7
Yankee
Wolf
Ya

Kim

Bal
Camp
Col
Darrel
Darter
Duckling
Flaen
Fraakie
Gal
Ol
Ongee Sloco
Jean
Jo
Ka
Lin
Lof
Sandah
Sea; Ola
St.
Top

Sac

Porphyry Creek

Ola

Sato
Sear

Sird
Sorn
Garnet
Quin
Red
Sie
Son
Thor

Sas

Reecee
Pet, Dump
Sign #2?
Spartan

Ola

Siddee Lake

Ola

Sick'e Shealnge

Ola

Garnet

Ola

Sac
Sino

Ola

Sibsee Girl
Great Goat
Wild Geese

Ola

Dote

Ola

Allard
Allard
Bailey 2nd Sac
Beese
Cal
Lady Lack # 1,2,3,4
Lady Lack #7
Reese
Onlyabeese Creek
Sag
Sye

Sas

Occurrence
Betty
Bree
Ca
Isel
Sad Glacier
Ted, Ray
Sack

Sag

Tap, Gay

Sas

Bull Creek
Bird, Sac
Bob 75
Greg
Lispoke
Lispoke (original)
Lih
Mr, Esq
Sees Creek
Sake
Quash Creek
Sam
Spectrum
Stikine Copper

Sas

Chris
Sac

Sar

Sar, Sp
Cap, Flat
Sorn, Lee
Joy
Lot, Tek
Ray
Rep
Sla

Sas

Bisco
Sa

Sas

Occurrence

[illegible] on Plant Community, [illegible] Occurrence

[illegible]

Of on First Community

0.00	0	0ne	Arroe(1.1300)
	Olido 20	0o	Cortez Island Molybdenite
Iwrone	Virtie	0o	Green Sea Bay
Dwer	Sen	Perbotte Creek	Ottawa-ona'ral
Elk 2 3 4		Stare River Group	
Pan	035	Thlotle	938
Oil			
Jone	Duro	929	D.b.e.
King Ohnord	Ingle		Olne 32
Ow	Jile	(ekroriaq)	9b
Ohe 40	Gesalico	Ath	
Ohe 46	Gesalico	Olnbel	930
Ohe 49	LA. Gnee	Dwelsine	
Ohe 77 and 73	Mount Tarnon	Dagroso	Tap
Ruby(1.1333)	Dore	Glee	
Silver Ring	Tlo6	Je	929
Tar		Jo, Dre	
Dnne	938	Last Chance(1.170)	Occerrence
Ind		Log	Aja
	Dar-Sapriaco	Lori	Aka *p*
039	Birnelly	Oers 76	Aka 3
	Pegknnk Creek Only	Gary Jase	Antiolinas A
Consolidated Gt. Elec	0	Oag	Antiolinas B
Ivory Slue	Gerlynn	Oag	Antiolinas C
Cwlinto	Gnee	Oag	Cli do
Gal	Slp	Oag	Co
Fresno	Dekiio	Oag	Job, Rec, An
Gerlynn	Stirling	Oiebel Plate	Judy 77
Kiant	Tle	Ow	Judy 6
Gold Ring	Pal	Ohp	Line
Gertie			Gnd-nad
Tuscarl	92C	921	Gath
Pendrnn			Gne
Gelly	Tu	Aja	Polly Ann
Ohtml	Ur	Dernnford	Dando Creek
Ruby Bay(2.1200)		Gethlahee Copper - Dpad Lake	31
Gt. Elec	92F	Grite Stec	Yld 4
Dagnlom		Dal.Gal	Hi-tnopan
Trlon	Gnrerrence	Ge-ertle, Gore	
	Gnrerrence	Ant	93A
033	Gnrerrence	Gag	
	Slne Jer	Gnee	Gnee Gnantale-breccia Gre
Gnrerrence	Gry Gelob	Gnee	Gnee Gnantale-fracture Gre
Gnnette 27	Gry Gelob		Gnee Gnantale-contknnt Tetan
Gnnette 28	Gnrty Grnen	92J	Gnndria Lake
Gnnette 29	Ge, Ge, Gerr		Gnee Gnantale-bigagrade Tete
Gnnette 30	Gnily	Gear	
Gnnette 31	Gnly J	Gay 1	93C
Gnnette 47	Gee	Gay 2	
Gnnette 55	Tetlon Molybdenite	Pall	Co
Gne 1	Telvon 913	Iolno	Tol
Gne 5		Gelal Creek Only (ee, T)	
Co	938	Gelal Creek Only (plag, Gal)	930
Pure and Gnolgn		Tolnene, Ridge	
Ion 6	Gno		Gnee
Ion 9	Gapo	928	

[illegible]

[illegible]

[illegible]

92A

B.v.p.b.
Bear
Bo
Collee
Copper Mo. 7
Dan
Dia 6
Dia 7
Garnet
Golconda
Iron Lenore (1.1262)
Joe 5
Joe 7
Lisra
Pilot - Sta
Riverside
Roy
Sid
Sil
Stan
Tam O'Shanter (1.2409)
Tom
Tic Toc
Top
Windfall
op - Cati
X

92F

Airdrop
Bally
Bonanza Vico
Royalty
Sapple's Molybdenite
St. Louis (1.9357)

92H

Boo

92L

Bt
Bird
Bear
Blazon Lake
Bobro

92P

Bimbos
Birlos

92C

Allice
Bore 30
Gail
Polly

92I

Bay
Bmp 3
Bmp 6
Sydney

92J

Andy
Bev
Catface
Cypress
Doolnear No.22
Hi
Jumbo
Li
Mary
Nic
Ptarmigan
Po, Bu, Jb
Tom, Bob
Tt
Vent

92K

Andy
Clover
Group A
High Hopes
Kf
Loci
Margaret
Nah
Occurrence
Roy Gp.
Sundown
Venus
War
Wel

92N

A.o. (1.1565)
Ann
Brenda Mine
Copper King
Dd

Dd
Dote #1
Dote #15
Empress
Forks
Gorman, Ba, Bud
Hed
Ira, Ir
Jeff No. 43
Jon
Jone
Lucky Poor (1.909)
Mac
Myrtle
Nighthawk
North Brenda
Pip
Pip
Pipe
Rick
Snow
Sol
What
dip, saw, pick
Wwt

92I

(showing)
Ach
Agate
Ag, Ido, Va
Ann #1
Aye
B.E.
Bethlehem Copper - Hasstin Zo
Bethlehem Copper - Iona Orebo
Bethlehem Copper - Jersey Ore
Bethlehem Copper - White Zone
Bethsaida
Beq Irish Gorman
Cop
Copperado - Tm1
Cris
Cu 13
Caree, S.o.
Fiddler, F.b.
Gaza
Gb
Goat # 2 Fr.
Highcoat
Huestis, Dave
Ido
J - A
J.b. Bassey
Jac

Jay #101
Jericho
Ken
Key Mb
Kr And K
Led 74
Lee
Lorner
M.e.
Maggie Mine
Maggie Mine
Martel
Mint
Mb
Ole
Ole-pat
P & B
Roy
Richhill
Rod
Sallus
Spur, Tc
Tam
Toad

92J

Autumn
Copper Queen
Elk
Lubra
Michel
Owl Creek "b" Zone
Owl Creek "c" Zone
Shi-qa
Sno

92K

Condor
Deer
Lee
O.k.
R. Hapo
Red

92L

Bay No. 21
Bay No.56
Borg
Cu
Kree
Near
Rap
Island Copper

Keogh
Lois
Wiaphish Copper
Red Dog
Rh
Road
Sauce
Scorpio
Star
Starr
Test
Tio, Susan

92H

A And E
Ben 36
Ben 37
Blue 33-36
Bu
Ducharme
Ho
Horfa 18
Horfa 20
Rum 2
Rum 66

92O

Banner
Bjb
Bur
Copper
Eggs
Red Master
Ha-canyon
Ha-westside
Mohawk
Pm
Roubottom
X,Y,Z
Xmz

92P

Beaver Dam
C-moo
Ellen
Fl
Hood
Mac-stan-skull
Ru

93A

D1, Golden Zone

Met, Gavin

93B

Gb
Gibraltar East
Gm
Gr
Granite Lake
H.d.
Ha
Kate
Mm
Pollyanna
Sunset (Gibraltar West)

93C

Kf

93D

Moon
Musas

93E

Berg
Con
Cs, Ma
Fab
Gam
Ida
Joe
Kim
L & M
Lem
Lem 45,54
Nim
Nk
Nk (cirque Showing)
No
St. Baptiste Occurrenc
Nanika Option
Ovp (Lake Showing)
Ox Lake
Pam
Pintledanne
Rd
Rea, Tl
Sibola
Surel
Troitsa
Whit

93F

MO as Second Commodity

C
C, S
Cap
Cap, Tot, ?
Chk
S, G
Godet
G
Go
L
Got
Tot
Pt

93B

Pure

93E

Jim, Green
Go
Radio Gold

93L

Allie
Big Onion
Jacob
Jon
Lou
Go
Poplar
Pro
Rock (Loljob)
Sot
Star, Klondike
Tochi

93R

Ace
Dan
Giant
Brian, Add
Carr
Daisy
Dorothy
French
Goat
Sal
Sot
Jon
Jon
King
King

Molly
Mt
Nicho
Off
Shel 19
Shel 7
Sunbum
Golf
Ta

93N

Bal
Camp
Chechi
Col
Dorel
Dorthy
Duckling
Flame
Frankie
Hal
Hi
Hogan Mines
Jean
Jo
Ko
Lin
Lod
Rondak
Sam; Nik
St.
Top

94C

Porphyry Creek

94D

Aero
Bear
Bird
Born
Quin
Red
Rio
Sam
Thor

94E

Sascon
Pat, Rasp
Sign #29
Spartan

103B

Nick's Showings

103C

Garnet

103F

Raw
Rino

103H

Great West

103N

Mato

103I

Allard
Allard
Banox
Hal
Lady Lock # 1,2,3,4
Lady Lock #7
Macox
Molybdenum Creek
Ray

104B

Occurrence
Ca
God Glacier
Ted, Ray
Unak

104G

Bell Creek
Bird, Sno
Box 35
Greg
Liapoko
Liapoko (original)
Ma, Kay
Wake
Quash Creek
Sun
Spectrum
Stikine Copper

104H

Sam

104I

Cap, Flat
Horn, Leo
Joy
Let, Tak
May
Rap
Rio

104J

Disco
Ko

104K

Occurrence
King
Ro-j
Ray (lin)
Sc
Born
Born
Sod Cap
Tom
Thorn
Tom

104M

Laverdiere

104N

Boot
Nabu
Nak
Pit
Whi

104O

Pan

114P

Alo
Bornite

MO as First Commodity, CU Occurring

82E

Deer
Elk 2 3 4
Fan
Gil
Jaan
King Edward
Ko
Pbe 4A
duby (L.1333)
Silver King
Vava
Yrd

82F

Consolidated St. Elmo
Cozey Mine
Gertrude
Hattie
Mammoth
Molly
Rainy Day (L.1399)
St. Elmo
Suprise

82K

S

82L

Jim
Kenallan
Kenallan
Mount Vernon

82M

Bar-barriere
Kobino

92C

Pc

92F

Occurrence
Occurrence
Blue Jay
Betty Green
Rex
Velvet #13

92G

Now
Nu
Stave River Group
Thistle

92H

Ash
Jo
Last Chance (L.574)
Log
Marn 16
Meg
Ta
Why

92I

Ajo
Bethlehem Copper - Spo
Hot
Zack

92J

Bent
Day 1
Day 2
Fall
Salal Creek Moly (oc,
Salal Creek Moly (ploq

92N

B.h.c.

92O

Top

92P

Ajo
Jub, Rex, Az
Judy 11
Judy 4
Line
Mad-mod
Math
Sands Creek
Wl-toopoo

93C

Ba

B2D

Bono

B3B

Ice
Flag
Old Glory
Abis

B3F

Del - Ell

B3B

Lorne
Ba

B3L

Occurrence
Barr, Lyndonne
Pop; Fig
Glacier Colon Molybdenum
Dupe
Flag, Queen
Lane
Mineral Hill
Mineral Hill
Bovine Ecuatoria
P.O., B.I.

B3B

Intention
Intention
Atom
Atom
Old Thing
Blue Lake
Cane, Ida
Daisy
Pop
Ice
Leeds Bear
Dairy
Pond
Bob
Del
Abel

B3B

Bear
Bonnet

B4D

Bertotelle Creek
Eliyul(miller)creek
Bottom B

B4E

Blue B15

1D2B

Yahalanna

1B2I

B, Ell
Ell
Elliott River
Phenols

1B3P

Alma
Lucky

1B4D

Occurrence
Occurrence
Big Shoeing

1B5I

Joyce

1B6J

Jim, Bush
Bush
Shield

1B6E

Elaine
Pot

1B4B

Sally, Pope

1B4B

Candy
Luck
Bl, Fire

1B4P

Elaine

B2E

Alma Mater
Alma(1.1039)
Amandy(1.2795)
An
Camp Hewitt 4
Dictator
E
International(1.2873)
Laurion
Manitou(1.1753)
Okanagan
Potosi, Location 6
Roderick She(1.596)
Scandic
Silver Spot, Location 12
Silver Spot, Location 13
Silver Spot, Location 9
Spotted Horse(1.887)

B2F

Occurrence
Adams
Alice
Alice Mine
Amazon
American Boy
Annex
Apache
B And B
Baker
Bell
Belle Aire
Beringeria
Big Bee
Birdie L.
Black Bear(1.10783)
Black Diamond & Little Phil
Blackburn, Wallace
Blue Bell
Bluebird
Boadicea
Bona Fr.
Buckeye
California, Clipper
Canadian
Carbonet #2
Caribou
Carnation
Chambers, Shady
Chicago
Chicago
Cinderella
Colonial

Comfort
Conductor
Copper King
Corinth
Cotnoir-fora
Crow
Curley, Boundey
Daisy Bell
Daisy Group
Dan Rowe
Delaware Gp.
Democrat
Dictator
Dixie Manner, Minnesota
Dominion
Double D
Douglas
Dud
Early Bird
Early Bird
Ed
Eden & Crescent
Elkhorn
Flint

B2F

Fourth Of July
Fourth Of July, Texas
Freddie Lee
Glengarry
Gold Basin
Gold Cure
Gold-galena, Eagle Bank
Hartney
Hb
Hector & Ramira
Highland
Highlander
Hilltop Sitka
Hilo #3
Hilo 10
Hilo 6
Hinkley
Home Rule
Hotshot
Howard
Index
Iron Cap
Ivanhoe, Elgin
Jack Pot
Jackpot
Jackpot Main
Jewel
Keno
Kid

King
Kok
Kok
Kootenay Chief
Kootenay Florence
Lakeshore Gp.
Laurier
Leader
Lex-ann
Liberty
Maestro
Majestic, Unsuspected
Manitoba
Marion
Martin
Mb
Mc
Mohawk
Mountain Chief
Mountain Scenery, Mountain Ch
Napoleon
Nevada
New Jerusalem
Nicolet
Noah
Noble Five
Noble 3
Noranda

92F

North Star Mine
Northern Belle
Number One
Omega
Oregon, Jan
Otto
Palmita
Panorama #1
Panorama #3
Para
Pontiac
Py, P
Queen Bess
Rainbow
Read, Tenderfoot
Red Bird
Rose & Valley
Royal Crown
Ruth-hope
Salmo Consolidated
Sapphire, Minneapolis
Sarah Gp.
Shadow
Shady Pr.
Shenango

Silver Band
Silver Boy
Silver Cup(1.6507)
Silver Glance
Silver Reef
Silver Ridge
Silverite
Silversmith
Slocan King
Slocan Sovereign
Snow King
Speculator
Spokane & Trinket
Star
Stewinder
Stone King
Sullivan
Sullivan Mine
Sun
Sunshine
Sutcliffe
Talmor
Tam O'shanter
Tiger
Tommy And Colleen Group
Trade Dollar
Tungsten
Two Star
Union
United
United Verde
Vigilant

92P

Volcan
Vulture
Wakefield
Wakefield
Warhorse
Warren
Whitehope
Wilcox
Wintrop
Wonderful

92N

Arena, Bemo
B.and V.
Big Chief
Black Bear & Mabel
Chappell
Fern Property
Helo
Jim # 16

Jim # 6
Jim #4
Jim, Cat
Jolly-wolly
Joy
Kent
Leah
M.J.P.
Motherlode
Olivia
Palmayra
Pen Pen
Pre
Society Girl
Stoney
Sullivan
Tit For Tat

92K

Occurrence
Amato Ruby
Barclay
Beverly Mine
Big Showing
Black Bear
Black Prince
Blackburn
Blue Bell
Blue Jay
Bluebird
Broadview
California
Canadian
Canmore
Contact
Daffodil Group
Davie Group
Doc
Dublin Queen
Duncan
Easy 8
Ek
Ellsmere
Ferry No.2(1.3668)
Fog
Glenside
Glooscap
Great Northern
Great Western Group
Gringo
Hecla
Homestake Group
Imperial And Empire
Index
International

J.C.
Kootenay Belle
Maq
Maggie May
Mike
Mineral King
Motherlode
Nellie Group
Ohio
Paradise (l. 8341)
Pedro
Puzzle Group
Rand
Rio Tinto
Rio(l.2093)
Rose Group
Scout
Shelly Carolle
Silver Chief
Silver Giant Mine
Slocan Boy

82K

St.elmo
St.joe
Sure Thing
Tamarak
Texas(l.8889)
Trilby Group
Vera
Vera Group
Vms 21
Voyageur
Whistler Fr.
White Quail
Yellowjacket

82L

Annis (main Showing)
Annis 5
Annis 5,11
Annis 8
Chaput
Helen, S.b.
Helen, S.b.
Metal Crest
Mosquito King
Shuswap
Smokie

82M

Occurrence
Occurrence

Occurrence
Acacia
Agate
Art
Big Ben #2
Chidgrin
Cottonbelt
Donnamore
Elmoor
Elva-sonja
Ex, Elk
Fortuna #1
Fortuna #2
It (t Zone)
It(e, F, G, H Zones)
Kelly's
Keystone
Kinbasket
Kinibasket
Kunigunde
Rand
Last Chance
Lead King
Little Slide
Mafalda
Mcgillvray Group
Millar's Prospect
Red Top
Shamrock
Silver Shield
Speedwell

82N

Allco
Crown Point
Donald
Kicking Horse
Lanark
Marie
Monarch
Rose And Daisy
Saphire
Shining Beauty Creek
Silverslope Creek
Snowflake
Tangier
Tokum Creek
Woolsey

83D

Bend(north Road Zone)
Spider

92C

Tam 24

92F

Bear 7

92G

Standard

92H

Occurrence
Ly, Ford, Snow, Dora
Twl,star,bob
Prince
Top

92I

Ches
Coronation
Ding Gp.
L. 5124
Old Corona # 1
Old Evelyn
Rawan
Shufly North

92J

Occurrence
Gray Rock
Silver Bell
Wonder

92K

Map

92P

Allies
Empire-bluebird
Pf
Queen Bess

93A

Gorrie - Cornish Ledges
Gorrie - Plateau D'or
Hl, Zl
Joy
Sf
Shaw
Sil

PS so First Commodity

91c

93D

Ab, Zl, Ano
Cascade South

93D

Occurrence
Keitley River

93F

Occurrence
Occurrence
Captain
Chikamin Gp.
Emerald
Lead Empire
P.C.
Three Bears 1-9

93G

Cascade
Moonlight
Nelson Creek

93J

Occurrence
Season

93M

Castle
Tazzeyun Lake
Trembleur Lake

93L

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Kamad
Cuz, Delta?
Sabastian
Sturgeon

Rainbow
Silver Queen
Skinkayik Hill

93N

Black Prince
Higgins
Lone Star
Sog

93O

Occurrence
Occurrence
Occurrence
Asp
Biddy
Lost Creek
Owl
PD, Sq Occurrence
Sheila
Serpent
Slit

94B

Bria
Poco North
Poco South
Rose Lake

94C

Occurrence
Occurrence
Bert
Childhood Dream
Coyne
Dolly
Great Bay
Hale
Regent
Scannell
Tatlatui Lake
Weber

94E

Attycelley
Gard 10
Gard 9
Ram
Saunders
Thatede 6
Thatede 7

94G

Bo Plateau
Cay
Faith
Koi
Lynda
Ab, Dev, June
Rust

94K

Bob 5 Oscar
City 14
City 7
Dog

94L

West Gp.

103B

Occurrence

103I

Dardanelle
Hercules
Kendall Creek
Lead King
Patmore
Providence
Tpnotz

103J

Occurrence

103O

Big Bike Group
Howard

103P

Ajax
Black Bear
Blue Ribbon
Casey
Chicago
Cook And Bohemia Claim
Copper Creek
Dollar Hill
George 2
Little Condor

Monday Group
No Name
Silver Bell
Silver King And Eagle
Sunbeam
Three Mile
Tiny Ridge
Washington

104A

Barite Gold Mines
Docia
Galena Farm
Goldie
Independence
Kansas
Lilah
Lucky Jim
Mammoth
Montreal
Mountain Boy
Old Chum
Palmoy
Portland, Ibex
Victoria

104B

Border
Boulder Creek
Canta
Craig River
Extension
Indian Mine
International
Mineral Basin
Montana Fractions
Payroll
Riverside
Silver Basin
Silver Coin

104I

A-1

104K

Occurrence
Occurrence
Inalin
King Salmon Creek
King Salmon Mtn.
Prospect
Yellow Bluff

104M

Dundee
Patty
Surprise

104O

Occurrence
Berg
Sandy

104P

Occurrence
Carlick
Mt. Haskin
Rose
Vale

114P

Hushird 31
Mansfield Mountain
Tarr

[illegible] as Shared Commodity

[illegible]

[illegible]
[illegible]
[illegible]

```
Navigation
Semantic
Expression
Chemical Bond
Chemical Bio-7 Data
Aggregate Solid
Classic Bridge
Variable
Function
Predicate
Financial Capacity
Study Threshold
Private

XXX

Database(1.7/0)
Light-Cable
Ultrasonic
Work Bed
Create Database(1.2/0)
Circuit
X-ray
Operation
Bridge
Cost Trigger
Create Index(1.2/0)
Cable
Index
Cat Index
Contract
Lab 3D
Liquid
Light Bridge
Dog
Private
Understand Skill
Deposit Cell Cost
Fund Cable Antibiotic Cable
Laboratory
Create a Gas Bed
Surface Bridge
Cell Gas
Liquid Cable
Circuit
Is Lab Drug
Lung, A
Office Account
```

```
Limit Tax
Lawful Bed
Lawful Bed(1.14/0)
Patient Bridge
Patient A
Bail Brand
Hospital Pad
Account
Chemistry
Mineral Office Drug
Bankruptcy
Bail Bed
Negotiate Contract
Accident Fund
Asphalt
Negotiate
Accident Bed

XXX

Electric
Bankruptcy (.7/0)
Electric Trial
Database
Electric Bed
Electric A
Bail Prosecution
Electric Bail
Fine (.1/0)
Fine Light
Laboratory Surface
Bankruptcy
Physics (.2/0)
Import
Prosecute
Prosecution
Attorney
Lawful
Lawful
Bankruptcy
Jail
Prosecute Drug
Bankruptcy Valid
Bail Judge
Lawful
Fund Judge
Account
Bail
Prosecute
Contract Office
Stock Judge
Software Account
Patient Judge
Jail Judge
Fine (.1/0)
Fine (.1/0)
Fine (.1/0)
Valid
```

```
Immunity
Psychosocial
Classical
Physical
Physics
Silent Music
Silent Bell
Silent Bell
Silent Cry
Silent Sad
Silent Fight
Silent Lesson Art Silent Film
Silent Cancer
Silent Planet
Air Living Wall(1.4/0)
Jury
Intelligence Prison
Survival
Survival
Air, Chemical
Air Environment(1.20/0)

XXX

Air Lawful
Prison
Prosecute
Punishment
Prosecution
Incorporate
Incorporate
Sunday Voltage
Synthetic Weight
Photograph
Psychological Prison
Prosecute
Silent Engineer (1.10/0)
Penal Bridge
Fine (.)
Fine (.)
Fine (.)
Property Voltage
Environmental
Incorporate
Air
Fine (.)/0)
Fine
Prosecution
Prosecution
Incorporate
Property Voltage
Prosecute Voltage
Psychological
Prosecute
Prosecution
Prosecution
Prosecution
```

92I

Occurrence
Bernice
Geo
Goldplate
Leadville
Lytton Gold Prospect
Mad Arab
Royal Star
Shufly Central
Star

92J

Astra
King
Li-li-kel
Patrick
Silver Queen
Summit
Veritas

92K

Linda
Mt. Diadem
White

92L

Avan
Bay No.89
Bon
Brooks
H.P.h.
Hah
Hph Bluff
Hph 2
Hph 3
Larson
North Shore
Possland
South Shore
South Shore
South Shore
Tony
Tuscarora

920

Grab

92P

Ballantyne Mine?

Ec 60
Gold Hill
Lemieux Creek
Mann Creek
Sonja

93A

Al
Al
Boulder Ledge
Gorrie - Crystal
Hibernian
Molson Ledge
Homestake
Jane (douglas Vein)
Jane (west Vein)
Jim
Lipsey Vein
Midas Vein
Number One, Number Two
Pittman
Providence
Saddle
Sunshine

93D

Nifty
Thunder

93E

Dad's Special
Glacier
Grandview
Jow
Lead Empire
Monarch, Silvertip
Nickel Plate
Rainy, Gold Coin
Stanley
Summit, Cariboo
Tahtsa Range Occurrence

93F

Hidden

93G

Pioneer

93H

Acme

Bonanza
Moosehorn Gp.

93K

Anderson (1.2890)
Boling (venture)
Golden Glory
Lorna
Mona
Silver Fox (1.4097)
Silver Glance

93L

Occurrence
Occurrence
Occurrence
Apex 9
Carroll
Cascade
Chapin
Chisholm
Coronado
Cronin Min.
Dear Claims
Diamond Bell
Don
Dorothy
Duthie Mines
Empire
Evelyn
Evergreen
G.k.
Glacier Gulch (south Side)
Granisle Mine
Hidden Treasure
Home
Hyland Basin
Iron Vault
Jessie
King Tut
Kir
Lorraine (victoria)
Mag
Mammoth
Matuna
Meister
Meister Creek
Pico Aspen
Sil-van Mine
Sil-van Mine (duthie)
Silver King
Silver Lake
Silver Pick
Shoeshoe

Three Star
Torrent
Vancouver (lone Star)
Victory
Whitewater
Yukon
Zap, Big Four
Zobnic

93M

(showing)
Ace
American Boy
Atna?
Babine
Barber Bill
Bergsten Basin
Brian Boru
Brunswick
Comet
Erie
Great Ohio
Group D
Lead King
M.q.
Orbi
Pole Star
Rio
Silver Bell
Silver Cup
Silver Pick
Slocan
Slocar
Sunrise
Suprise
Tetra

93N

Occurrence
Black Hawk
Bvd 32
Discovery Bar
Ominoca Queen
Wag

94B

Dev
Habe
Hor
M.l.
Wind

94C

Bayeley
Elizabeth
Ferguson Gp.
Gordon
Greg
Ingenika Gp.
Onward
Orion
Swan

94D

Bap
Bish
Carruthers Creek
Copper, Magnus
Goodridge

94E

Bower Creek
Castle Mtn.
Firesteel
Fred
Pine
Pit
Stone
Thutade 38,5

94F

Stag

94G

Hoot
Egg, Foo
Lad
Pic
Tri

94K

Occurrence
D.P
Hope 3

94L

Dehetiah Creek

94M

Occurrence
Moose

103G

Wild Goose

103H

Decaire

103I

Occurrence
Occurrence
A - Claim
Beaver
Bermaline
Calandar Group
Caledonia
Fiddler
Galena
Gold Dome
Grey Copper
Hidden Group
Hughie
La Libertad
Lou 1-16
M And M
Mag
Mayou
Ptarmigan
Quartz Silver
Rega
Scotia
Seven Sisters
Shenandoah
Silver Mitts
St.elmo
St.paul
Sunlight
United St.croix
White Bear
Windfall

1030

Occurrence
Alaskan

103P

Occurrence
Aberdeen
Anna-sack
B & C
B.j.
Barite
Bayview

PB as Second Commodity

Bellevue
Ben Holt
Billy Barton
Black Hills
Bunker Hill
Canyon
Climax
Columbia
Dolly Varden Mine
Dominion
Double Ed
Dunwell
Elkhorn
Excelsior & Eagle
Glacier Creek
Gold Leaf
Gray Goose
Highland
Hunter Group
Ida
Independent
Ingraham's Claims
Jackie-eos2
Jumbo
Keystone
Lakeview
Last Chance
Le Roy
Little Joe
Lone Maid
Lone Star
Marmot Engrm.
Melvin
Mexico
Mobile
Moose
North Fork Basin
North Star
Observer
Paymaster
Prince George
R.h.s.
Riverside
Rush-portland
Seabee
Silver Bar
Silver Bell
Silver Chord
Silver Horde
Silver King

103P

Silver Star
Silver Star
St.rose
Theda Bara, Bebe Daniels
Thm
Tiger
Torbrit
Union
United Empire
Utopia
Verona Basin
Victory
Wolf
Yankee Boy

104A

American Girl
Anaconda
Aztec
Bear Pass Mining Syndicate
Betty
Bornite
Grey Copper
Jetland
Lucky Date
Maybee
Mayou
Mc
Monitor
Morning
Ore Mountain Mining
Red Cliff Extension
Ruby Silver
Silver Cliff
Surprise
Terminus

104B

Alaska Premier
Black Bear
Boundary
Buena Vista
Cripple Creek
Dan
Fish Creek (upper)
Florence
Forty Nine
Glacier Group
Gold Pan
In
Johanie Mtn.
Kin
Last Chance
Laura
Mineral Hill Mines Ltd.
Munro
Outland Silver Bar
Pins
Portland
St. Eugene
Terminus
Treaty Creek
Troy
Union

104G

Jackson
Lady Jane
Lucky Strike
Nuttlude Lake
Stikine Copper-lucky Strike
Su (split Creek)

104H

Chris

104I

Herb #3
Johnny 2
Mat
Mix
Winco
Winco

104J

Mo

104K

Occurrence
Eriksen-ashby
Janet-vega
Lc 2
Pat
Waterfall
Zohini

104M

Occurrence
Occurrence
Brownie
Gold Cup
Silver Queen

104N

Atlir Ruffner
Imperial
Lakeview
Sunrise
White Star

1040

Gem
Holliday-ranson
Pcp
Silver Tip

104P

Atan
Contact
Graham
Graham(east Zone)
Hankins Mtn.
Iron Cap
Jewa
Kirk
Luna
Madame Belle
Mt. Haskin
Ray 2
Rich
Silver Queen
Tibor

114P

Occurrence
Adams
Hibernian
Humbird 3
Humbird 33
Humbird 9
Lawrence
Lunar
Victoria

ZN as First Commodity

82E

Occurrence
Camp Hewlit 12
Director #5
Morning
Van

82F

Occurrence
Occurrence
Altoona
Black Fox
Black Jack
Caviar
Celtic Queen
Cliff
Cork-province
Dalhousie
Daniel
Dewey
Dundee
Ela
Galena Fare
Jackpot East
Johnsby
Last Chance
Lucky Boy(1.9188)
Mammoth
Melody
Oxide
Pete Creek
Piedmont
Red Rock
Reeves Macdonald Mine, Point
Reeves Macdonald Prospect
Reeves Macdonald, O'donell
Reeves-macdonald Mine
Shamrock
Silver Bell
Silver Dollar
Standard
Truman
U.s.

82G

Skylark

82K

Amato Ruby, J.q.
Amato Ruby, J.q. Duncan # 3 1
Baltimore
Doherty
Duncan Mine
Duncan No.1 Zone
Galena(1.593)
Lakeside, Amato Ruby
Lucky Jim
Metlakahtla
Sal A
Sal B
Sal C
Steele
Wigwam

82L

Big Ledge
Blackjack Group
Dawn
Fred
Golden West, Deer
King
Kingfisher
Ok
Rich
Silver King
Victory

82M

A And E
Bel
Bet
Ck
King Fissure
Mastadon
Mastadon North
Rose Gp.
Saul
To

82N

Zinc Creek

93D

Bend(canyon Zone)

92H

Fallside
Lenora And Tyee

93I

Occurrence
Brown Jug

Zn as First Commodity

S 15
Shazamm
Silverado

92F

P.d.

92G

Occurrence
Lynn Creek Zinc
Princess Royal

92H

Occurrence
Silicon Group
Five Fissures
Metastaffor
Pat
Rainy
Silvertip
Sunrise
Sunset

92I

Fairview
Sunshine 1
Tolman Cr.

92J

Arizona
Olympic

92K

Red Mountain
White

92L

A, B, E
Alpha #6
Caledonia
Dia
Dorlon
Nov
No
On
Rain
Red Rock
Tuscarora

92N

Van

93A

Pittman

93G

Fifty
Thunder

93K

Red's Special
Research, Silvertip
Sunset, Caribou
Zerol

93F

Occurrence
Tetachuck Lake

93H

Kathleen Jane

93L

Black Fox
Glacier Gulch (north Side)
Regan
Hidden Treasure
Iron King
Josie
Nazie
Mayflower
New Discovery
Rainstorm
Solo

93M

Jack Of Hearts

93N

Occurrence
S.v.d. 3377

94B

Bav
Linda

Babe
Ben
Wind
#1 & Err

94C

Occurrence
Elizabeth
Greg

94E

Willow Creek

94K

Thutade 34,5
Vip 30

94F

Spa (Stag)
Stag

94G

Bertha
Boot
Egg, Foo
Lad
Pic

94K

Ctv 10
Ctv 5
D,P
Hope 3

103K

Hanka West

103M

Dacaire
Packsack

103I

Quet
Lou 1-16
Scotia

103P

Zn as Second Commodity

Alaskon
Billy Mac
Cape Rose
Highland
I.X.L.
Kent
Lone Star
Silver Bar
Silver Bell
Silver Chord
Standard
Sunrise

104A

Aztec
Morning

104C

Devils Elbow
Pereleshin Mtn.

104I

Nix

104K

Occurrence
Janet-vega

104N

Occurrence

104O

Nancy
Pop

104P

Haskins Mtn.

114P

Occurrence
Occurrence
C & E
Kio

82E

Occurrence
Au
Bluebell
Bluebell
Camp Hewitt 3
Camp Hewitt 8
Cyclops
Dictator
E
International(1.2873)
Laurion
Lumpy
Manitou(1.1753)
Midway Mine
Okanagan
Pay Day
Granadia
Silver Spot, Location 13
Silver Spot, Location 9

82F

Occurrence
A.v.
Alice
Amazon
Amex
Ayesha
Bunker
Belle Aire
Beringerie
Big Horn
Blue Bell
Bne
Buckeye
Buster
California
Canadian Belle
Caribou
Chicago
Colonial
Comfort
Cotacoir-fore
Crow
Daisy Bell
Daisy Group
Dan Rose
Dictator
Dominion
Double B
Douglas
Duane
Early Bird
Eden & Crescent

Elkhorn
Fairy
Glengarry
Gold-galena, Eagle Bank
Hb
Hewitt
Highlander
Hilo #3
Hilo 10
Hilo 4
Hotshot
Hummingbird
Jack Pot
Jackpot
Jackpot Main
Jewel
Kid
Kok
Kok
Kootenay Chief
Kootenay Florence
Lakeshore Gp.
Lander
Lily May
Mabou, Ohio

82P

Maestro
Manitoba
Mc
Mountain Chief
Mountain Scenery, Mountain Ch
Myrtle(alsa)
Nameless
Neosho
Nevada
New Jerusalem
Nicolet
Noah
Noble 3
Noranda
North Star Mine
Northern Belle
Number One
Olsen
Otto
Paleite
Perrier
Pontiac
Py, P
Red Bird
Salsa Consolidated
Shadow
Shenango
Silver Band

Silver Glance
Silver Reef
Silver Ridge
Silverite
Smeralda
Snow King
Spokane & Trinket
Star
Sullivan
Sullivan Mine
Sutcliffe
Talour
Tam O'Shanter
Tiger
Toney And College Group
Tungsten
Vulcan
Wakefield
Whitehope
Wintrop
Yankee Girl

82G

Arena, Reno
Black Bear & Mabel
Fors Property
Malg
Jolly-solly
Kent
M.j.p.
Pre
Society Girl
Stoney
Sullivan

82K

Anato Ruby
Barclay
Beatrice
Big Showing
Black Prince
Blue Jay
Bluebird
Broadview
Contact
Davie Group
Dublin Queen
Duncan
Easy K
Fern And Evelyn
Fog
Glengarnock
Gringo
Kootenay Belle
Kay
Mite
Mineral King
Mohawk
Motherlode
Ohio
Paradise (1. 4341)
Pessle Group
Rio Tinto
Rose Group
Silver Giant Mine
Tamarak
Texas(1.4869)
Van 29
Yayaguez

82L

Annie (main Showing)
Annie 5
Annie 5,11
Annie 8
Chaput
Elk
Iron Mask
Keystone
Metal Crest
Mosquito King
Smokie

82M

Occurrence
Occurrence
Occurrence
Acacia
Agate
Big Ben #2
Chidgrin
Cottonbelt
Donnamore
Klaoor
Klve-sonja
Mz, Elk
Roof-sun
It (t Zone)
It(e, F, G, H Zones)
Kelly's
Keystone
Kinbasket
Kinibasket
Lead King
Little Slide
Mcgillvray Group
Millar's Prospect
Montgomery
Mosquito King
Red Top
S Group
Shoshvap Base
Silver Shield
Speedwell
Standard
Vic
White Rock(1.4023)

82O

Alice
Crown Point
Donald
Kicking Horse
Lanark
Monarch
Saphire
Shining Beauty Creek
Silverslope Creek
Snowflake
Tangier
Woolsey

83D

Bend(north Road Zone)
Blue Ice(west Zone)

92B

Jane
W.a.c.

92C

Anomaly
Hal
Paget
Tan 24

92E

Hn 1
Nonash River
Ormond #3(1.353)
Vanhall

92F

Bear 7
Big G
Bruce 5
Charles Dickens
Dawn
Jo-jo
Lyon(1.1440)
Mn 2
Parsecount
Sentinel
Share

92G

Occurrence
Britannia
Canadian Chieftan
Christina
Cleveland
Del No. 1
Day
H.i.
Indian River Copper
London
Mckinnon Group
Novicar
Roy

92H

Occurrence
Occurrence
Ascot
Big Ben
Fab
Gold Hill
Jessie
Luv
Ly, Ford, Snow, Bora
Mag Group
Mission
Patsy No.1
Patsy No.2
Red Star
Sf
Silver Chief
Sunnyside
Tan
Top

92I

Chee
Coronation
Old Corona # 1
Shufly North

92J

Crown
Fitzsimmons
Gray Rock
Margery
Peerless
Wonder

92K

Big Andy
Big G.
Kap
Linda 14

92L

B, C, E
Blue Ox
Boden
Frances
Hazel
Macquiana
Minerva Fraction
Mor
Minpkish Copper
North Star (1.1716)
Peerless
Rainier

92P

Empire-bluebird
Queen Bess
Silver

93A

Gorrie - Plateau B'or
Hl, Zl
Joy
Sf
Shaw
Vic

93C

Occurrence

93E

Occurrence
Occurrence
Captain
Chikamin Gp.
Emerald
Harloworth
Lead Empire
Lone 56,58
P.G.
Teta

93H

Kalum Crest

93J

Occurrence
Reeve

93K

Han, Fir
Sonya-hectoria
Texzeron Lake

93L

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Ascot
Cassiar Crown
Cassiar Crown
Copper Queen
Cup,delta7
Debenture
Del, Loe
Deepave
Princess
Rainbow
Silver Queen
Silver Queen
Wiminyik Hill

93M

Black Prince
Cap
Higgins
Killarney
Mag
Phi

93N

Biddy
Oai

IN as Second Commodity

Sheila
Vernon
Wit

94B

Brin
Poco North
Poco South
Robb Lake

94C

Burn
Childhood Dream
Molly
Rain
Swannell
Weber

94D

Occurrence
Asitka River

94E

Attycelley
Gord 18
Mar
Thutade 4
Thutade 5

94G

Cay
Kei
Lynda
Nb, Dev, June
Rust

94K

Ctv 7
Dog

94L

West Gp.

102I

Ori

103B

Raspberry Cove

103F

Security

103G

Gibson Girl

103H

Occurrence
Banker
Bentall
Bow

103I

Annie Laurie
Big Oliver
Copper Queen
Dardanelle
Hercules
Kendall Creek
Lead King
Patmore
Providence
Zona Ray
Zyscotn

103J

Occurrence
Occurrence
Etta

103O

Big Mike Group
Howard

103P

Acadia
Ajax
Ajax
Beverly
Black Bear
Blue Ribbon
Casey
Chicago
Cook And Dobsons Claim
Dollar Mtn
Fox
George E

Little Wonder
Mohawk
Monday Group
Montana
Silver Bell
Silver King And Eagle
Sunbeam
Vimy Ridge
Washington

104A

Emperor
Galena Farm
Goat
Independence
Lilah
Mammoth
Montreal
Mountain Boy
Old Chum
Palmer
Portland, Ibex
Southern Cross
St.elmo

104H

Betty
Border
Boulder Creek
Bron
Cat 6
Extension
Hobo
Indian Mine
Inel
International
Iskut Silver
Mineral Basin
Montana Fractions
Payroll
Ray
Shan
Silver Basin
Silver Coin

104I

Ant
Bcr, Ss
Jeff
Smrb

104K

Taklin

104O

Occurrence

105F

Occurrence
Carlick
Mt. Haskin
Rose
Vale
Vines

114P

Occurrence
Humbird 31
Kolsal #24
Pan
Tarr

82E

Am
Dictator
Director #5
Morning
Okanagan
Scandic
Silver Spot, Location 9

82F

Altoona
Amazon
Ayesha
Banker
Belle Aire
Beringeria
Black Fox
Blue Bell
Buckeye
Celtic Queen
Colonial
Comfort
Cork-province
Daisy Bell
Daisy Group
Dewey
Dictator
Douglas
Dundee
Early Bird
Eden & Crescent
Elkhorn
Galena Farm
Glengarry
Hm
Highlander
Hilo 4
Jack Pot
Jewel
Johnsby
Kootenay Chief
Kootenay Florence
Lakeshore Gp.
Leader
Mammoth
Manitoba
Mountain Chief
Mountain Scenery, Mountain Ch
Nameless
Nevada
New Jerusalem
Nicolet
Noah
Noble 3

Noranda
North Star Mine
Number One
Palmita
Pete Creek
Piedmont
Pontiac
Red Rock
Reeves Macdonald Mine, Point
Reeves Macdonald Prospect
Reeves Macdonald, O'donell
Reeves-macdonald Mine
Shadow

82F

Shamrock
Silver Band
Silver Dollar
Silver Glance
Silver Reef
Silver Ridge
Silverite
Spokane & Trinket
Standard
Star
Sullivan
Sullivan Mine
Tam O'shanter
Tiger
Wakefield
Whitehope
Wintrop

82G

Skylark
Society Girl
Sullivan

82K

Black Prince
Bluebird
Broadview
Dublin Queen
Fog
Galena(1.593)
Mike
Mineral King
Paradise (l. 8341)
Puzzle Group
Silver Giant Mine
Voyageur
Wigwam

PB and ZN as First and Second Commodity, AG Present

82L

Annie (main Showing)
Annie 5
Annie 5,11
Annie 8
Chaput
Dawn
Golden West, Deer
Mosquito King

82M

A And E
Agate
Childrin
Cottonbelt
Donnamore
Elsoor
Elva-sonja
Ex, Elk
It (t Zone)
It(e, F, G, M Zones)
King Fissure
Kinibasket
Lead King
Little Slide
Mcgillvray Group
Red Top
Speedwell
To

82N

Alico
Crown Point
Donald
Kicking Horse
Lanark
Monarch
Saphire
Tangier
Woolsey

83D

Bend(north Road Zone)

92G

Lynn Creek Zinc

92M

Occurrence
Five Fissures

92I

Chea
Coronation

92J

Gray Rock

92K

White

92P

Queen Bess

93E

Pittman
Vic

93D

Nifty
Thunder

93K

Occurrence
Occurrence
Captain
Chikamin Gp.
Emerald
Lead Empire
Monarch, Silvertip
P.C.
Sunset, Cariboo

93J

Bannon

93L

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Cup,delta?
Bananzure
Hidden Treasure

Wasp
Rainbow
Silver Queen

93M

Black Prince
Higgins

93N

Biddy
Omi
Sheila
Vernon
Wit

94C

Burn
Holly
Rain
Swannell
Weber

94E

Thutade 30,5

94F

Stag

94G

Cay

94L

West Gp.

103I

Dardanelle
Hercules
Kendall Creek
Lead King
Patmore
Providence
Zymoetz

103J

Occurrence

103P

Black Bear
Dollar Bill
George E
Little Wonder
Silver King And Eagle

104A

Aztec
Galena Farm
Lilah
Montreal
Mountain Boy
Old Chum
Palmer
Portland, Ibex

104B

Indian Mine
International
Silver Coin

104K

Inklin
Janet-veja

108O

Pcp

103P

Carlick
Haskins Mtn.
Mt. Haskin

114P

Tarr

PB and ZN as First and Second Commodity, AG not Present

82E

Occurrence
Camp Hewitt 12
Camp Hewitt 8
E
International(1.2873)
Laurion
Manitou(1.1753)
Silver Spot, Location 13

82F

Occurrence
Alice
Annex
Cariboo
Chicago
Cotnoir-fors
Craw
Dalhousie
Dan Howe
Dominion
Double B
Gold-galena, Eagle Bank
Hilo #3
Hilo 10
Hothhot
Jackpot
Jackpot Main
Kid
Kok
KSK
Lucky Boy(1.9168)
Maestro
Mc
Melody
Northern Belle
Otto
Oxide
Py, P
Red Bird
Salmo Consolidated
Shenango
Snow King
Sutcliffe
Talsor
Tommy And Colleen Group
Tungsten
Vulcan

92H

Arena, Pano
Black Bear & Mabel
Form Property

Helg
Jolly-molly
Kent
M.j.p.
Pre
Stoney

82K

Amato Ruby
Amato Ruby, J.g.
Amato Ruby, J.g. Duncan # 3 Z
Barclay
Big Showing
Blue Jay
Contact
Davie Group
Doherty
Duncan
Duncan Mine
Duncan No.1 Zone
Easy M
Gringo
Kootenay Belle
Lakeside, Amato Ruby
Mag
Metlakahtla
Motherlode
Ohio
Rio Tinto
Rose Group
Sal A
Sal B
Sal C
Steele
Tasarak
Texas(1.4889)
Van 21

82L

Big Ledge
Blackjack Group
King
Kingfisher
Metal Crest
Ok
Rich
Silver King
Smokie

82M

Occurrence
Occurrence
Occurrence

PB and IB as First and Second Commodity, AG not Present

Acacia
Big Ben #2
CR
Kelly's
Keystone
Kinbasket
Mastadon
Mastadon North
Millar's Prospect
Silver Shield

82H

Shining Beauty Creek
Silverslope Creek
Snowflake

83B

Bend(canyon Zone)

92C

Tee 20

92E

Occurrence

92F

Bear 7

92H

Ly, Ford, Snow, Dora

92I

Old Corona # 1
Shufly North

92J

Wonder

92K

Hap

92L

Tuscarora

92P

Empire-Bluebird

93E

Gorrie - Plateau D'or
#1, #2
Joy
Sf
Shao

93H

Bad's Special

93M

Nelson Creek

93J

Occurrence

93K

Tesseron Lake

93L

Occurrence
Ascot
Winnisyik Hill

93N

Kaq

93W

Occurrence

94B

Bria
Dav
Nabe
Poco North
Poco South
Robb Lake
Roa
Wind

94C

Childhood Dream
Elizabeth
Greg

94E

Attycelley
Card 18
Mar
Thetade 4
Thetade 5

94G

Boot
Egg, Poo
Kai
Lad
Lynda
Rb, Dav, June
Sic
Zuzt

94K

Ctv 7
D,p
Dog
Hope 3

103H

Occurrence
Decaire

103I

Lou 1-16
Scotia

103O

Big Nike Group
Howard

103P

Ajax
Blue Ribbon
Casey
Chicago
Cook And Dobsons Claim
Lone Star
Monday Group
Silver Bar
Silver Bell
Silver Bell
Silver Chord
Sunbeam
Vimy Ridge

Washington

104A

Independence
Nanaimo
Morning

104B

Border
Boulder Creek
Extension
Mineral Basin
Montana Fractions
Payroll
Silver Basin

104I

Mis

104K

Occurrence

104O

Occurrence

104P

Occurrence
Rose
Vale

114P

Hummbird 31

82E

Occurrence
Ackworth
Bathfield Silver Lode
Beaver
Big Hill
Black Diamond-standard
Bounty
Bounty
Buster
Cascade(1.5000)
Castor Fr.
Combination(1.1458)
Commonwealth(1.1029)
Crown Point
Duncan
Empire
Eva Bell
Fanny Joe(1.729m)
Fontenoy
Fremont
Goats, Rose
Gold Drop
Golden Rose
Gypo
Halifax(1.3062)
Highland Belle Mine
Highland Chief
Homestake Fr.
Horn Silver Mine
Imperial
Jimmy
Jo Daudy
Kelly
Killarney
Kittie(1.1746)
Koh-i-noor
Kohoco Fr.
Lakevale
Lakeview
Last Chance(1.753)
Lightning Peak, Location 19
Lightning Peak, Location 20
Lumpy
May
Midway Mine
Moqul(1.2857)
Nodaway
Olalla
Old # 9
Pay Day
Providence(1.618)
Queen Mary
Rambler Fr.
Rampalo, Location 16

Granite King
Great Dane
Great Western
Greenhorn
Grey Copper
Hamilton
Hamilton, Bachelor, Ma
Hampton
Happy Medium
Harris
Helen
Hewitt
Highland Light, Victor
Homestake
Hudson Bay
Humbolt
Hunter V
Idaho
Iva Fern
Jennie Bell
Jennie Lind
Jersey
Joan Duplex
Jumbo
Kalispell
Kid 3
King Jack, Howard Fr.
Kootenay

Kruo
Lakeview
Last Chance
Leadville
Let Her Go Gallagher
Lily B
Lily May
Little Tim
Lin B
Lost Cabin
Lost Cabin
Lou Dillon
Lucky Boy
Mahou, Ohio
Madison
May Flower
Meadow View
Mercury
Mercury
Metallic
Meteor
Mile Point
Minnie Ha Ha
Molly Gibson
Montana
Montezuma

AG as First Commodity

Bondholder
Boomerang
Bonum
Broster
Buck Fr.
Buffalo
Buster
Cable
California
Calumet And Hecla
Canada Belle
Caribou
Champion
Christina, Vergil
Club
Colorado, Slocan Rule
Commodore
Comstock
Comstock
Comstock(1.1814)
Comstock, Virginia
Coronation
Country Girl
Crow-fledgling
Crown

Crown Point
Crusader
Cup, Holly
Cultus Creek
Curlew
Dayton
Dorothy
Double Standard
Dunac
Ebor
Echo, Graphic
Elmir
Emily Edith
Empire
Enterprise
Evening Star #8
Evening, Jennie
Exchange
Fairmont
Fairy
Fergus
Firebrand
Fisher Maiden
General Grant
Georgia
Get There Eli
Glue Pot
Goat Mtn.
Good-enough

Rattler(1.1265)
Riverside(1.1031)
Rocco Plata

Sally
Silver Queen
Silver Spot, Location 11
Silver Spot, Location 8
Silver Star
Skylark(1.763)
Smith
Standard Fr.
Sunnyside(1.2879) (m.1.401)
Tiger
U.S.
Washington And Idaho
Waterloo
Waterloo No.3
Wellington
White Knight

82F

A.u.
Ajax
Alamo
Alexander
Alice
Alice S.
Almeda
Alpha
Alpha, Magog
Anna
Anne
Apex
Argenta
Arlington
Armstrong
Aspen
Aurea
Baltimore
Barefoot
Barnett
Beaver Creek Mines
Belt
Birdseye
Bismark
Black Bear
Black Eagle
Black Rock North
Black Rock South
Blackmore
Blue Rain
Bna
Bob, Iron Mask

Motherlode Gp.
Mountain Con
Mowitch
Muquump
Myrtle(alma)
Nature Boy
Neepawa, Royal
Neosho
No. One
None
Noonday
Nor
North Wind
Northern Light
Oakland
Olive A
Olsen
Ontario #2
Oro
Ottawa
Paul Boy
Peggy
Porcupine
Port Hope
P.w.lee
Radio
Reco
Red Eagle
Redress
Republic #2
Revenue

Richmond
Richmond-eureka
Riverside
Roanoake
Rose Marie
Royal
Ruby
Sarah 2nd
Sharon
Silver Bear
Silver Bell
Silver Bell
Silver Coin
Silver Hill
Silver Hoard
Silver Nugget
Silver 1
Silver 6
Silverine
Sixteen To One
Skylark And Ranger
Skyline
Slocan Prince

Smeralda
Smuggler
Snowstorm
Soldier Boy
Star
Stone King
Summit
Sunset
Sunset
Surprise No. 2
Tamarack
Tamrak, Laurier
Union
Utica
V-day, Victory
Van Roi
Victor
Victoria
Victoria
Violet
Virginia
Westmont, Eastmont
Wolf Lake

82G

Aurora
Bellaville
Brenda
Burt
Cambrian
Guidon Gp.
Kootenay King
Lead
Nord
Park Group
Railway Mine Group
St.eugene Mine
St.irene
Trilby Gp.

82J

Lucien

82K

Occurrence
A
Abbott
Abrahamson Group
Adr
Ajax
Alma
Alpha
Alpha Group

Alpine
American
Antoine
Argenta
Atlas
B.C. And Tilbury
Badshot
Bald Eagle
Banner
Bannockburn
Beatrice
Beaver
Bennison Group
Best
Best
Beulah And Homestake
Big Five
Black Diamond
Black Diamond
Black Diamond
Black Eagle
Black Grouse
Black Prince
Black Warrior
Bonton
Butte Group
Caledonia
Calumet And Hecla
Canadian Boy
Canadian Girl
Capello & Wilmer (1.4527 Etc.
Chance
Charleston
Chieftan
Copper Chief(1.4584)
Copper Queen
Craig
Crescent
Crown Point
Cuba
Dardanelles
Dary Group
Death On The Trail, Little To
Delphine
Dominion
Eclipse
Emerald Hill
Ethel Group

Eureka
Evelyn
Excise
Fe, Hil
Fidelity
Francis Jewell

Free Coinage
Frisco
Gertrude
Glengary
Gold Bug
Great Western(1.548)
Grizzly
Grotto
H.y.m.
Hart
Hercules
Hi-lo
Hidden Treasure
Hillside
Horne Group
Hot Punch(1.5100)
Hunter And Trapper
Irene
Iron Cap(1.5347)
Isle
Isaac
Ixl
Ixl Group
Jewel
Jo-jo
Jumbo
Jumbo Group
Kat
Kitsap
Kootenay Belle
Kootenay Chief
Kootenay Queen
Lancaster
Lardeau-goldsmith
Laura J. And Ward
Lavina Group
Lead Queen
Lead Star
Lexington
Lincoln
Linson View
Lisa, A
Little Robert
Lost Cup
Lucky Boy
Lucky Boy(1.5423)
M.t. Fraction(1.10110)
Mabel Group
Mabel R
Mag; Bruce
Maggie May

Magnet
Mammoth
Maple, Silver King

AG as First Commodity

Maverick
May Bee
Mcallister
Metropolitan
Millie Mack
Miner Boy
Mobbs
Mohawk
Mohican
Mollie Mac
Molly Hughes(1.2106)
Monitor
Monitor(1.1916)
Moonshine L.1941
Morning
Morning Star
Morning Star
Moscow
Mountain Boy
Nettie L
Nil Desperandum
Noble Five
Northern Belle
Ocean(1.1723)
Old Gold
Outlet, Outcrop
Panama
Parksboro
Paymaster
Payne(1.493)
Peoria
Poorman
Pretty Girl
Pretty Girl
Pharaigan
Rad
Rambler
Rambler
Raven
Red
Red Ledge
Redmac
Relief
Revenue
Ritchie Group
Royal Group
Ruffled Grouse
Ruth-vermont
Sandy
Senorita
Shakespeare
Shamrock
Sharon
Sharon

Silver Basin
Silver Bell
Silver Belt
Silver Cup
Silver Glance
Silver Key
Silver King
Silver Plate
Silver Queen And Silver King
Silver Spray
Silver Tray
Sir Wilfred
Sitting Bull(1.4097)
Soho
Southern Cross
Spider
Spyglass
St. Anthony
St. Patrick
St.keverne(1.2642)
St.lewis
Star
Sunset
Sunset
Superior
Surprise
Surprise
Syenite Bluff
Tatler Group
Tatler Group P3
Tatler, Phoenix Gp. M4-m5
Tecumseh
Thunderbird Mines
Tin City
Towser
Triune
Trojan
True Fissure (1.1097)
Vimy Ridge
Vms 1
Vms 2
Vms 23
Wagner Group
Washington
Wellington
White Cat
Whitewater
Winona(1.10061)
Yornoc
Yuill

82L

Admiral
Bonnie Brae
Bonnie Brae

Bright Star
Faith
Helen, S.b.
May
Mission Hill
Mitchell & Cochrane Gp.
Mount Ida
Mount Vernon
Octagon
Onyx
Payroll
Peerless
Rita
Royal
Silver Bell(1.4329)
Silver Creek
Silver King
Silver Star
Skookum
Sunset

82M

Bearskin
Caribou
East Lehai
Foghorn
Glen
June
King Tut
Leemac-bromac
Mike, Marge
Minnesota Girl
Mosquito King
North Star(north Showing)
Silver King
Silver Mineral
Smuggler(1.5387)
Summit
Tinkirk
Tom
Twin Mountain
Vic 8, 21
White Rock(1.4023)

82N

Agnes
Annie
Bluebell
Cowerapee
Crystal And Wonderful
Dunvegan
Edinburgh(1.2867)
Elizabeth(1.2785)
Ellen D

Fe, Hil
Frenchman Creek
George
Hawk Creek
Herringback
Ixl
Jumbo
King Solomon
Klondyke
Laurier
Sanquar
Scotia (1.2784)
Seward
Silver Glance
Waterloo
Waverley

83D

Blue Ice(east Zone)
Blue Ice(west Zone)
Grizzley
War Colt #1
Wells
Yellowhead

92B

Robertson
Water Power

92C

Alfrida (1.777)
Dickson
Edith

92I

Ubell

92F

Bear 6,3
Big Boy
Cascade
Cream 1,3
Cream 10
Cream 6,3
Kallapa
King Midas
Mary M'quilton
P.d.q.
Ruth
Sherwood
Tofino

Tofino Nickel

92G

Crofton
Katanga

92H

Occurrence
Occurrence
Occurrence
Occurrence
Adco Silver
Agie
Amanda
Bluebell(1.112)
Elkhorn
Eureka(1.1210)
Eureka-victoria
Ile
Indiana
Invermay
Jumbo(1.187)
Laverne, Cap
Lucky Pair #4 Fr.
Mazie
Morning Star(1.131)
Morning Star(1.131)
Newt
North Star
Queen Jess
Queen Mine
Rainbow
Rio Grande
Silver Chief
Silver Hill
Southern
Summit
Top
Toronto
Totem Pole

92I

Bernice
Geo
Gert, S.f.
Leadville
Paystreak
Star

92J

Astra
Crown

Empire
Li-li-kel
Patrick
Peerless
Rock, Roy
Silver Queen

92K

Copper Bowl
Dawn
Zaid(1.233)
Linda 9
Mt. Diadem
Stemwinder

92L

Avan
Bowerman
H.p.h.
Hph Bluff
Hph 2
Hph 3
North Shore
Privateer (1.1040)
South Shore
South Shore
South Shore

92M

Feeney
Homathko Gold Mines Ltd.

92O

Warren Charlie

92P

Ballantyne Mine?
Bull Moose
Lemieux Creek
Moon
Sonja

93A

Al
Al
Black Bear
Holmes Ledge
Mariner
Mb
Peacock

Providence

93B

Bi

93C

Occurrence

93E

Bellecini
Dolly J
Glacier
Gold Crown
Golden Chest
Grandview
Harlowarth
Jolimont
Jow
Lead Empire
Nickel Plate
Old Timer
Oriental
Rainy, Gold Coin
Stanley
Tahtsa Range Occurrence
Westview

93F

Hidden

93G

Duck
Pioneer

93M

Alladdin
Bonanza
Dominion
Moosehorn Gp.

93A

Anderson (1.2490)
Poling (venture)
Golden Glory
Lorne
Mona
Silver Fox (1.4097)
Silver Glance
Silver Island

93L

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Carroll
Cascade
Chastiar Crown
Chisholm
Copper Queen
Cornu Copia
Coronado
Cronin Mine
Diamond Belle
Don
Don
Dorothy
Duthie Mines
Empire
Evelyn
Evergreen
Glacier Gulch (South Side)
Golden Eagle
Grubstake (far)
Hope
Hyland Basin
Iron Vault
Ivanhoe
Jack Rabbit
Jessie
Joe #5,and #7
King Tut
Kit
Lorraine (Victoria)
Mammoth
Matuss
Peacock
Reiseter
Rico Aspen
Sil-van Mine
Sil-van Mine (Duthie)
Silver King
Silver Lake
Silver Queen
Shoeshoe
Three Star
Topley Richfield
Torrent
Van, Wyk
Vancouver (lone Star)
Victory
Yukon
Zap, Big Four

Zobaic

93M

(showing)
(showing)
Ace
American Boy
Atna?
Babine
Barber Bill
Brunswick
Comet
Drone
Erie
Fors
Group D
Hecla(bluebird)
Killarney
Lead King
M.q.
Pole Star
Rio
Showing
Silver Bell
Silver Cup
Silver Pick
Slocan
Slocan
Sultana
Sunrise
Suprise
Tetra

93N

Berthold
Black Hawk
Blackburn
Bvd 32
Discovery Bar
Hoq

94C

Occurrence
Beveley
Ferguson Gp.
Gordon
Jupiter
Mel
Onward
Orion
Swan

94D

Bish
Carruthers Creek
F.C., H.M.
Goodridge
Motase
Shell(croy)

94E

Bell
Firestael
Pit

94K

Occurrence

103G

Marble

103H

Hunter

103I

Occurrence
Bermaline
Bullion
Caledonia
Golden Penny
Halliday
Hope Silver
Legal Tender
Mag
Mayou
Noble
Oakwood
Quartz Silver
Rega
Seven Sisters
Sunlight
Zona May

103J

Bell Mtn.
Drumharvey
Eagle
Englestone
Masco*
Morning Star
Promise
Redbird
Wright Gp.

103O

Alaskan

103P

Aberdeen
Acadia
Anna-mack
B & C
B.j.
Baric
Bayview
Bellevue
Ben Bolt
Billy Barton
Black Diamond
Black Hills
Bunker Hill
Canyon
Caribou Fraction
Climax
Coast Silver
Columbia
Columbia
Dolly Varden Min
Dunwell
Esperanza
Excelsior & Eagle
Glacier Creek
Glacier, Left Over
Gray Goose
Henderson
Highland
Hunter Group
Ida
Independent
Ingraham's Claims
J & W
Jumbo
Keystone
Kit
Kitsol
Lakeview
Last Chance
Le Roy
Little Joe
Lone Maid
Medallion
Melvin
Mimico
Mobile
Mohawk
Montana
Mmmm
Musketeer

North Fork Basin
North Star
O.K. Fraction
Paymaster
Regal
Rex
Riverside

103P

Royal
Ruby
Rush-portland
Second Thought
Silver Bar
Silver Basin
Silver Bell
Silver Bow
Silver Bow
Silver Horde
Silver King
Silver Leaf
Silver Star
Silver Star
Silvertip
Speculator No.2
St.elois
St.rose
Starlight
Surprise
Surprise
Theda Bara, Bebe Daniels
Tiger
Torbrit
Union
United Empire
Utopia
Verona Basin
Victory
Wolf
Wolf
Yankee Boy

104A

American Girl
Anaconda
Bear Pass Mining Syndicate
Betty
Big Casino
Daly And Sullivan
Emperor
Goat
Grey Copper
Jutland
Lois; Edith

AG as First Commodity

Lucky Date
Mayflower
Mayou
Mc
Ore Mountain Mining
Radio (cuprum)
Ruby Silver
Silver Cliff
St.elmo
Superior Mines Ltd.
Surprise
Terminus
Virginia K

104B

Boundary
Buena Vista
Fish Creek (upper)
Forty Nine
Glacier Group
Gold Cliff Premier
Hollywood
In
Iskut Silver
Johnson
Jon
Last Chance
Laura
Mineral Hill Mines Ltd.
Munro
Outland Silver Bar
Silver Hill
Silver Leaf
St. Eugene
Terminus
Treaty Creek
Troy
Unicorn
Union

104G

Jackson
Lady Jane
Nuttlude Lake

104I

Erna
Herb #3
Johnny 2
Norma
Winco
Winco

104K

Eriksen-ashby
Potlatch-banker
Waterfall
Zohini

104M

Occurrence
Ben-ay-chree
Brownie
Silver Queen

104N

Atlin Ruffner
Mt. Leonard
Pelton Group
Ru

1040

Gem
Holliday-ransom
Key
Luck
Silver Tip

104P

Occurrence
Contact
Graham
Graham(east Zone)
Iron Cap
Luna
Mcdame Belle
Ray 2
Rich
Silver Queen
Tibor

114P

Occurrence
Adams
Canadian Verdee
Humbird 3
Humbird 33
Lawrence
Victoria

AU (Lode) as First Commodity

82E

Occurrence
Occurrence
Albion No. 2(1.12489)
Alpha
Apex
Arlington(1.2596)
Athelsran
Au
Australian
Baldy, Nice
Bank Of England
Barnato(1.2848)
Berlin(1.11157)
Bev, Lloyd, Den
Boomerang
Bs
Buckhorn(1.1107)
Buffalo(1.920)
Buller(1.3242)
Burnt Basin(1.1136)
Butcher Boy
Caledonia(1.1756)
Cannon Ball(1.1036)
Cariboo-amelia
Carmi
Colby # 1& 2
Crescent
Dane Gp.
Datun
Dividend-lakeview
Divine
Dusty Mac
Dynamo
E.p.u.
Elkhorn Fr.(1.297m)
Elkhorn Mine
Ellsworth
Enterprise
Enterprise Gp.
Ethiopia(1.932)
Eureka
Eureka(1.1185)
Fairview
Gateway
Golconda Fr.(1.2149)
Gold Bug(1.895)
Gold Drop(1.1415)
Gold Hill
Gold Valley
Golden
Golden Crown(1.600)
Gord, Ken, Mark
Greenwood
Guilt Edge
Guts
Hackla(1.2847)
Hedley Monarch

82E

Helen
Hill
Hummingbird(1.1369)
Inland Empire(1.3840)
Ivy
J
Jewel(1.850)
John Bull(1.2051)
Jones Placer
King(1.177m)
Lake
Lakeside(1.1023)
Little Duncan
Lookout And Mountain View
Lousark
Mak Siccar
Mak Siccar
Maple Leaf
Marguerite(1.836)
Marshall(1.2388)
Mckinley(1.140m)
Messenger(1.121m)
Minne-ha-ha
Molly Gibson
Mono(1.2205)
Morning Star
Morning Star(1.2570)
Mother Lode(1.1508)
Niagra(1.1356)
Nipper
No. 7(1.623)
Worth Star(1.1165)
O.k.(1.573m)
Orofino
Panorama
Prize No. 2(1.120m)
Rambler(1.2861)
Rathmullen
Reno
Rosesont
Sailor
Silver Dollar(1.2842)
Skipper
Smuggler
St. John
St. Lawrence(1.1255)
Standard
Star Of Hope
Stewwinder
Sunset
Tin Horn
Torres
Tripoli(1.1613m)
Tuesday
Twin Lakes
Tyee
Victoria-old England

82K

War Eagle
Waterloo
White Bear

82F

Alpine
Anderson
Annie
Arizona
Arlington
Athabaska
Baltic
Bayonne
Bear
Big Horn
Bil Hecky
Black Stone
Blackcock
Bluebird
Bluestar
Bluestone
Bonanza
Bunker Hill
California
California
Canadian Belle
Canadian King
Cariboo
Catherine
Cayote
Center Star
Centre Star
Chapleau
Christine
Clubine
Clyde
Columbia
Columbia
Cottonwood
Daune
Daylight
Dick
Donnybrook
Dunas
Echo Gp.
Elk
Euphrates
Eureka
Exclsior
Fawn
Fern
Fog Horn
Freddy
Gold Belt
Gold Cup
Gold Cup
Gold Hill
Gold Hill
Gold King
Gold Ledge
Gold Queen
Gold Viking

Golden Age
Golden Belle
Golden Chariot
Golden Drip
Golden Eagle
Golden Hill
Golden West
Goldstream, Bearpaw
Good Hope
Good-hope
Gopher
Granite-poorman
Great Eastern
Great Western
Harriet
Hattie
Hattie Brown
Heather
Hollinger
Homestake
Homestake
Hummingbird
Inez
Irene
Iron Mask
Ixl
J.c.
Joint
Joker
Josie
Jumbo
Keystone
Kilo
Kootenay
Kootenay Belle
L.h.

Lakeview
Le Roi
Little Daisy
Lone Silver
Lucky Strike
Mabel
Maid Of Erin
Marmion, Maryland
Mary
Max And Jennie
May Blossom
Mayflower
Midnight
Midnight
Miracle
Monte Cristo
Moran
Morning Star
Mota
Motherlode
Mountain View

92F

Myrtle
Nevada
New Gordon Mining Co.
New Victor
New York Central
Nickel Plate
Norway
Novelty
Nugget
Ok
Old Timer
Ore Hill
Oro Fino
Perrier
Phoenix
Porto Rico
Prospector's Dream
Protection
Queen
Rand
Referendum
Reliance
Reno
Rice
Robert E. Lee
Rose
Running Wolf
Running Wolf
Scranton
Second Chance
Second Relief
Sheep Creek Camp
Shiloh
Silver Crest
Silver Dollar
Silver King
Silver Ranch
Silver Tip
Snowdrop
Southern Belle
Spitzee
Spokane
Spotted Horse
Star & Alma N
Starlight
Sterling
Sunit
Summit Bell
Tailholt
Tamarac
Trixie V(1.3848)
Udiville
Ural
Valparaiso
Vancouver
Velvet
Venango

Venus
Virginia
W.d.
War Eagle
White Bear
Whitewater(1.529)
Wisconsin Gp.
Yankee Girl
Yankee Girl
Yellow Metal
Yellow Stone
Ymir
Ymir Good Hope

82G

Commerce 3
Commerce 3-4
Commerce 8
Dougherty
Ehlinger Group, Emily
Ehlinger Group, Wanda B
Expander Mines And Petroleum
Fisher
Little Sullivan
Midway
Monilee
Moyie River
Pay Roll
Perry
Providence
Pundata Mines Ltd.
Victor
Wildhorse Golds Ltd.

82K

Agnes
Alice
Anaconda
Berneire
Bonanza Group
Bruce
Brunswick
Bullock
Bunyan(1.9096)
Camborne Group
Carbonate Hill
Caribou Ace
Chief Of The Selkirks
Cholla Group
Columbia
Cromwell
Crown King
Del Rey
Eva
Foggy Day
Gilman
Glengarnock
Gold Quartz
Golden Crown
Handy
Harvey Group
Highland Surprise
Home Run Lode
Homestead Group
Imperial Group
Independence
Kelowna Group
Kingston Group
Lade
Lucky Jack
Lucky Jack
Mabel, Maude & No.2
Meridian
Nelson
North Star
Okanagan
Oyster
Phoenix
Pipestem
President
Red Elephant
Royal Canadian
Silver Belt
Silver Dollar
Skyline
Swede Group
Telluride Group
U & I
Wide West
Winslow
Yamhill

82L

Annex
Bachelor
Beverley
Black Hawk
Blue Hawk
Blue Jay
Bluebird
Bon Diable
British Empire
Cartwright
Denny
Dona
Falcon
Fox>
Gold Mtn.
Grand Times
Grandview
I.o.u.
I.x.l.
Iron Pot
Jumbo
Kalmalka
Kl>
Lake View
Last Chance
Little Duncan
Lost Treasure
May
Mcphail
Milligan
Minerva>
Monashee
Morning Glory
Mystery
Paladora
Paradise
Pilot
Polar Star
Prince Of Wales
Renown
Ruby Gold
St.paul
Sugar Loaf
Top
White Elephant
Zion(homestake)

82N

Brenda
Carbonate Chief
Chieftan
J And L
J And L
Morrison
Roseberry
Stanback
Wf

82N

Alpha
Bryan
Diamond E
Nugget
Robert E. Burns
Witwatersrand Syndicate Ltd.

83D

Occurrence
Glacier
Summit
War Colt #2

92B

Bentley
Floodwood Creek
Goldstream Bridge
Kennedy Flat
Martin's Gulch
Queen Bee (1.100g)
Victory
Yreka

92C

Occurrence
Occurrence
Conego
Cottonwood
El Capitan
Enterprise
Faith & Doris
Flo
Kinsley
Paget
Paint Pot
Silver Leaf (1.28g-30g)

92E

Occurrence
Answer (1.483)
Baltic
Beach Gp.
Beano
Friend
High Boy
Independence
June
Lady Grace
Mohawk
Sunrise
Ubell Creek
Vivian

92F

Apex
B And K
Bank Gp.
Bdq
Belvidere(1.798)
Bessie B
Black Lion
Black Panther
Black Prince
Blue Bird
Bolivar
Brown
Buccaneer
Casino
Castle "a"vein
Castle "b"vein
Castle "c"vein
Cinnamon Bear(1.294)
Copper King
Corona
Dauntless
Dawn
Della(1.591)
Domineer
Faith Lake
Pandora
Ferguson(1.1587)
Florence
Free Gold
Georgina
Gold Flake
Gold Queen
Golden Eagle(1.198)
Golden Rule # 1
Golden Slipper
Golden Slipper
Great

AU (Lode) as First Commodity

Iron Cap
Jervis Island
John Bull
Joker
Laurendale
Leora
M.t.
Maple Leaf
Marble Bay
Marjory
Matter
Morning
Moyeha
Murphy-johnson
Musketeer
Noble
Northern Crown
Nutcracker
Q.k.
Olympic

92F

Pakeha
Potasa
Price
Red Rover
Regina(1.55,94)
Rose Marie
Santiago
Seattle
Severns
Silver Tip
Star Of The West
Starlight
Storm
Syoutl
T-bird, Lily
Thistle(1.91)
Thunderbird
Tommy K
Trophy
Tyee
Victoria
Victoria
Vulcan
Wanderer
Www(1.37-39,53)
Yankee Boy
You(1.1646)
Zone

92G

Occurrence
Occurrence

April
Ashloo
Barkoola
Blue Lead
Bulliondale
Copper Group
Dandy
Irish Molly
King Midas
Providence
Racoon Is.
Ray Creek
Red Jacket
Richfield
Ruskin Gold
Skookum
St. Paul
Venetian
Viking

92H

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Ace Gp.
Anna
Arcan
Au
Aufeas
Aurum
B.b.
Big Ben
Blackjack
Blue Chip
Brett
Camp
Clover Leaf
Defiance
Diane
Don
Duffy
Dundee
El Paso Gp.
Ella
Emancipation
Emigrant
Faith
Florence
French Mine
Gd
Gem
Gem

Gold Coin
Gold Coin
Gold Cord
Gold Mill
Gold Mountain
Gold Queen
Good Hope #1
Granite Sheelite
Greenwood
Hall's Group
Hedley Tailings
Hematite
Hillsbar
Home X
Hope Group
Idaho
Ideal Gold
International(1.932)
Iota
Iron Duke
John Bull
July
King Gp.

92H

Kingston
Lost Horse Gp.
Lucky Strike
Mabel
Majestic
Maple Leaf
Marcotte Gp.
Marian
Marsellaise
Marvel
Mascot Fr.
Master Ace
Mission
Montana
Montana
Montrose
Morning
Murphy(1.27)
Nevada(1.79)
Newton Creek
Nickel Plate
Old Glory
Pacific Mines
Patsy No.1
Patsy No.2
Pierce Mtn. Gp.
Pipestem
Pittsburg
Providence
Queen

Rabbitt
Red Mountain
Roche
Roddick
Rollo
Rush-of-the-bull Fr.
S And M
Silver Daisy
Silver King
Silver Moon
Slesse Creek
Snowstorm
Speculator
Spokane
St. Patrick
St.lawrence (1.258)
Star
Steamboat Mtn. Gp.
Sunnyside
Superior
T Group
U.s. Rambler
Utah
Victoria
Virginia
Ward
Whirlwind

92H

Yellowjacket

92I

Occurrence
A Group
Ace
Alameada
Alexander
Allies
Ashcroft
Av
Azela
Bear Cat
Beatrice
Big Slide
Clairdon
Constant
Cornwall Group
Corona Group
Criss Creek
Deadman River
Diamond S
Don Group
Emulator
Enterprise

Francis
Glacier
Gold Bug
Gold Gossan
Guichon
Hilltop
Homestake
Hykaway
Iron Cap(1.875)
Jamieson Creek
Jenny Long
Joshua
June
Kingwilliam
Lytton Gold Prospect
Manchester
Martel
Mary Reynolds
Planet
Pole Star
Ramage
Riverside
Royal Inland
Royal Star
Scottie Creek
Serpentine & Summit
Silver King
Sunny Boy
Thelma Group
Tranquille River
Tubal Cain
Vernon
Victor

92J

Alma
Aspie
B & P
Benboe
Blackbird
Blue Jack
Brett Group
Butte-ixl
California
Comstock
Congress
Coronation
Countless
Dan Tucker
Dauntless
Forty Thieves
Gladys, Nita
Gloria Kitty
Golden Gate
Grull

Holland
Jewel
Kay
Kelvin
Lorne
Lucky Strike
Minto Gold Mines Ltd.
Mix
Native Son
Northern Light
Paymaster
Pilot
Pioneer
Pioneer Extension
Primrose
Ranger
Reliance
Royal
Senator
Short O'bacon
Shulap
Spokane
Standard
Success
Summit
Summit
Truax
Tuncarora
Veritas
Warman
Waterloo
Wayside Mine
White And Bell
Why Not
Winchester Cosmopolitan

92K

Alexandria
All Up
Amethyst
Blue Bells
Channe Is.
Commonwealth(1.277)
Constitution
Cuba Silver
Dorotha Morton
Galena
Geiler
Hope Gp.
Loughborough
Lucky Jim
Magnet
Marble And Hayden
Ophir
Red Cap

AU (Lode) as First Commodity

Shamrock
Shamrock
Sonora
Spider
Sunbeam
Trilby
Union Gp.
White Hope
White Pine

92L

Alice Lake
B Group
Bobmac
Boden
Churchill
Churchill
Cordova
Eclipse
Ehatset
Extension
Extension #4
Extention # 4
Farris
Fil
Golden Gate
Golden Horn
Golden Peak (1.1035)
Goldfield
Goldspring
Ixl
Ixl
King
King Midas
King Midas
King Midas
Lone Star (1.1052)
Lucky Strike
M Group
Macquinna
Monitor
North Fork
North Star (1.1716)
Omega
Pandora
Paystreak
Peerless
Peerless
Prident
Prosperity (1.1801)
Quatsino King
Riny (1.1765)
Roper
Scraton Gold
Silta

Tagore
Van Isle
Venture
White Quartz
White Star (1.1031)
Zeb

92H

Occurrence
Occurrence
Argo
Blackthorn Mtn.
Blue Bell
Langara
Langara
Morris Mine
Mountain Boss
Orwill

92O

Astonisher
Chishola
Elizabeth
Giant Vein
Hi Do
Massena Group
No. 1 Vein
No. 2 Vein
Red Bird Vein
Robson
Taylor-windfall
Vick
W

92P

Fortuna
Gold Hill
Hamilton Creek
Hidden Creek
Mahood Lake
Plato
Savona Gold Mine
Sweet Home
Telluric
Vid 27
Vidette Mine
Windpass # 1

93A

Occurrence
Antler Mountain
Bertha

Betty
Bon, Park, Round Top
Boulder Ledge
Bridger And Johnston
Canadian
Cariboo-hudson
Cariboo-nordine
Corban
F.m.wells
Gisco
Glenacho
Gold Recoveries Ltd.
Gorrie - Crystal
Gorrie - Imperial
Hepson
Hibernian
Homestake
Jane (douglas Vein)
Jane (west Vein)
Jim
Lipsey Vein
Midas Vein
Monte Cristo
Moose
Mount Burdett
Number One, Number Two
Saddle
Spitfire
Sterling
Sunshine
Sylvain
Sylvain
Talbot
Timber Line
Wendle Claims- Bralco Gp.
Wendle Claims- North Showing
Zone

93E

Core
Far Lake
Harrison
Lee
Riverside Gp.
Shirley
Smith, Wash
Surel Lake
Whitemail Outlet
Whitemail Range

93G

Occurrence
Bellhola
Cayeene #2

Hixson Creek
K

93H

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Acme
Aurum
Bus
Canusa
Cariboo Gold Quartz
Chishola
Dragon Mountain Gold Quartz
Foster Ledge
Free Lance
Hard Cash
Independence
Kitchener
Mosquito Creek
Myrtle
Perkins
Pmi 7263
Prosperine
Rainbow
Richfield Cariboo Gold Mines
Standard Location
Tipperary
Warspite
Westport

93I

Dawn

93J

Occurrence
Occurrence
Occurrence
Syndicate

93K

Occurrence
Hiyou

Oakla
Stewart Lake
Van Decar Creek

93L

Occurrence
Dome Mountain
Glacier Gulch (gold-bismuth)
Gold
Gold Brick
Rio Grande
S.k.
Sk(babine Gold)

93M

Babine
Babine River
Fortune Hill
Iel
Iel
Macdonald
O.k.
Placer Gold Showing
Placer Gold Showing
Placer Gold Showing
Placer Gold Showing
Placer Gold Showing
Placer Gold Showing
Placer Gold Showing
Silver Standard
Silvertip
True Fissure
Victoria

93N

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Alice Creek
Black Jack Gulch
Don Group
Erickson
Fairview
Farrell
Free Gold
Kelly Creek
Kildare Gulch

Kwanika Creek
Lust Dust
Mosquito Creek
Motherlode
Silver-kenny Creek
Tom Creek
Valleau Creek
Vital Creek

93O

Bill Cunt's Bar
Tudyay Lake

94B

Branham Flat
Gold Bar
Pete Toya Bar

94C

Occurrence
Croydon
Elizabeth
Granite Basin
Ha Ha Creek
Halquinn
Hope
Ingenika Gp.
Ingenika River
Jim May Creek
Omineca River
Pluto
Polaris
Red Dyke
Ruby
Ruby
Stranger
Thane
Vega Cr.

94D

Occurrence
Banjo
Bruce
Fleindependence
Gurle Gold
Ginger B
Goldway
Ingenika River
King George
Mcconnell Creek
Quyzyhz (ba-k'z)
Solo

AU (Lode) as First Commodity

[illegible]

Chappello

103A

Hebrew
Pacific Rim

103B

Ellen

103C

Occurrence
Occurrence
Blue Mule
Early Bird

103F

Babe

103G

Banker
Bull Swamp
Cusshewa
Gold Bug
Helper Lake Property
Oeanda
Southeaster

103H

Occurrence
Banker
Cordilla Group
Cordillera
Malcolm
Millbank Group
Stewart
Surf Inlet
Wells Claims

103I

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Alice Group
Beanstock Group
Bear
Beaver
Big Oliver
Black Bull
Black Wolf
Brentford
Canadian Swede
Comstock
Eagles Nest
Fiddler
Gold Cap
Hawk
Hawk Bear
Helen
July
Margarite
Martin
Motherlode
Scenic
September
Silver Bow
Society Girl
Terrace
True Blue
Usk Group
Victor

103J

Cape Fife
Eyde Pass Mine
Hk
Surf Point Mine
Wren

103O

Bc Group
Bc Verde
Bishop
Emma Gordon
Fish Cr.(lower)
Georgia River Gold
Last Shot
Lucky Boy Ext.
Mountain View
Pedro Georgia (in)
Six Mile

103P

Occurrence
Albany
Beaver Ext.
Bi-metallic
Black Bear
Bullion Belmore
Cascade Falls
Copper Cliff
Copper King
Dynamiter
Elkhorn
Fraser
Gloria
Gold Leaf
Gold Reef
Goldore
Golmkeish
Granby Point
High Grade
Homestake
Homestake Group
Horner
Iron
L & L
Laddie
Lucky Strike
Marmot Engrm.
Marmot Metals
Mastadon
Morning Star
Nelson
Patricia
Phoenix
Portland Canal
Prosperity And Porter Idaho
Rambler
Rowales
Ruth & Francis
Saddle
Silverado
Whiskey Creek
Wilby
Windsor
Wire Gold

104A

Dalhousie, Rock Of Ages
Gold Bar No.1
Independance
Little Wonder
Meziadin
Monitor
Moonlight
Moonlight
Red Bluff
Roosevelt (grizzly)
Royal Irish Group
Spider
Treaty Creek

104B

Alaska Premier
Big Missouri
Black Bear
Butte
Daly
Daly Alaska (lower)
Daly-alaska (upper)
Florence
Globe
Gold Run
Gracey
Halport
Hercules
High Ore
Lion
Mackay, Can
Pioneer
Portland
Premier Extension
Rainbow
Salmon
Salmon Gold
Sib
Silbak
Silbak Premier
Silbak Premier Mines
Silbak Premier Mines
Titan
Union
Unuk Jumbo
Virginia
Woodbine
Yellowstone

104G

August
Barrington River
Bau Creek
Bucks Bar
Kona
Kona
Lucky Strike
Mountain Goat
Stikine Copper-lucky Strike
Tsikhini Creek

104H

P.m.l. 723

104I

Bullion Creek
Faulkner Creek

104J

Keystone

104K

Canyon & Bear
Highland Boy
Lucky Strike
Maidan
Manville
Martha And Sinclair
Mohawk
Polaris-taku
Potlatch
Silver Bird
Silver Queen
Tulsequah Chief

104M

Occurrence
Bald Peak
Bighorn
Callaghan
Canyon Creek
Engineer
Gleaner
Gold Cup
Gridiron
Happy Sullivan
Jessie
Kirkland
Red Rupert
Rupert
Sweepstake
White Goose
White Goose

104N

Occurrence
Occurrence
Anaconda
Seavis Mine
Cornerstone
Golden View
Imperial
Lakeview
Pictou
Red Jacket
Relief
Rock Of Ages Claim
Sunbeam
White Star
Yellow Jacket

104O

Paqi
Sam

104P

Cornucopia
Dennis Creek Placers
George
Gold Hill
Homestake
Hopefull
Hunter
Jennie
Klondike Fr.
Mac
Nora
Red Rock
Rocky Ridge
Rosella Creek Placer
Snow Creek Gold Mine
Turmoil
Vollaug

114P

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Gold Cord
Tat 1-8

82E

Ackworth
Aetna
Ah There
Alma Mater
Amandy(1.2795)
Argo
Averill
B.C.(1.982)
Bald Eagle
Barbara
Bay
Bf, Hb
Big Copper
Black Bear(1.2597m)
Blue Jay
City Of Paris(1.622)
Copper Queen
Curlew
Elmore(1.972)
Emma(1.591)
Empire
Fife(1.1185m)
Fremont
Gem(1.697)
Gloucester(1.2809)
Goats, Mons
Gold Drop
Gold Drop
Golden Zone
Great Hopes(1.602)
Grey Eagle
Greyhound
Gypo
Horn Silver Mine
Iron Cap
Knob Hill
Koh-i-noor
Lexington(1.945)
Little Bertha(1.959)
M.S.
Monarch
Mother Lode(1.704)
Olalla
Old Ironsides
Oro Denoro(1.692)
Pathfinder(1.782)
Phoenix Mine
Providence(1.618)
Queen Mary
R. Bell
Rampelo, Location 16
Rawhide
Red Rock
Riverside(1.1031)
Skylark(1.763)
Snowshoe
Standard(1.1463)

82K

Stemwinder, Montezuma
Sun
Top
Victoria
Volcano(1.1476)
War Eagle
Washington And Idaho
Winner
Winnipeg(1.599)
Yellow Jacket
Yellow Jacket

82F

Abe Lincoln
Alexander
Anna
Barnett
Beaver Creek Mines
Birdseye
Black Bear
Caribou
Central
Champion
City Of Spokane
Commodore
Country Girl
Crown Point
Crusader
Curlew
Double Standard
Evening Star
Evening Star #8
Exchange
Fairmont
Fresno
Georgia
Get There Eli
Giant
Goat Mtn.
Gold King
Hamilton, Bachelor, V&m
Homestake
Homestake
Howard
Hunter V
Iron Horse
Iva Fern
Jennie Bell
Joan Duplex
Jumbo
King Jack, Howard Fr.
Kootenay
Lost Cabin
Lost Cabin
Lou Dillon
May Flower
Meteor
Montana
Motherlode Gp.
Mowitch
Nugwump
Northern Light
Option
Option
Paul Boy
Peggy
Port Hope
Republic #2
Roanoake
Rockland

82F

Rose & Valley
Royal
Royal Canadian
Ruby
Sarah 2nd
Silverine
Skylark And Ranger
Soldier Boy
Summit
Victoria
Virginia
Wilcox
Wolf Lake

82G

Belleville
Brenda
Grey Copper
Trilby Gp.
Yankee Girl

82K

Abrahamson Group
Ajax
Alpine
Alps-alturas
Butte Group
Capello & Wilmer (1.4527 Etc.
Chance
Chieftan
Dutchy
Eclipse
Fe, Mil
Ixl
Jewel
Molly Hughes(1.2106)
Monitor(1.1916)
Morning Star
Noble Five
Sir Wilfred
Triune

82L

Copper King
Copper Nugget
Dck
Klondyke
Mission Hill
Silver Bell(1.4329)
Skookum
Three Tramps
Vimy

82M

Bearnden

82N

Ellen D
Fe, Mil
George
Klondyke
Silver Bow
Waverley

92B

Eagle
Finlay

92C

Alfrida (1.777)
Dickson
Gladys
Marble Cove
Peterson
Sunlock

92E

K 18
Ubell

92F

Big Boy
Cat
Copper King
Cornell
Cream 10
Cream 6,9
Good Hope(1.394)
Grizzly
Herb
Juneau(1.69)
Little Billy
Mary M'quilton
Old Bill Gp.
P.d.
P.d.q.
Raven
Royal Arch
Sherwood
St. Joseph(1.50)
Venus

92G

Occurrence
Occurrence
Occurrence
Lorraine
Money Spinner

92N

Occurrence
Bank Of England
Boomerang (1.1541)
Britton
Copper Farm
Copper King (1.803)
D And J
Deep Gulch
Harrison Group
Independence
Inverway
Jjj
Jumbo(1.187)
King George Gp.
Last Chance(1.574)
Liverpool (1.1188)
Newt
Od
Reco
Red Bird Gp.
Red Buck
Shamrock
Spokane - Motherlode
Sunrise
Toronto

92I

Afton
Ajax(1.4710)
B, C
Chance
Copper King
D.m.
Dewey
Fiddler
Ford
Gloria #1
Grey Mask
Iron Mask
Joker
Kimberly
Larsar
Lorna
Mackie Fr.
Monte Carlo(1.4716)
Moon
No. 7 Claim
Noonday(1.2563)
O.k.
Old Alameada # 16
Orphan Boy
Pavilion Gold
Peacock Group
Pyrite
Roger's
Sugar Loaf Hill
Utopia
Wheal Tamar

92J

Bristol
Empire
Excelsior, Jumbo Surprise
Golden
Native Son
Owl Mountain
Texas, H

92K

Contact
Copper Bowl
Copper Cliff
Copperopolis
Cormorant
Dawn
Enid(1.233)

MI (Lode) as Second Commodity

Gold Thread
Hook
Monte Cristo
Ol
Princess
Rebecca
Senator
Solyman
Strawinder
wfp
White Swan
wyho

92L

Blue Bird
Climax
Dorlon
Extension
Lucky Jim
Mimpish Copper
Princess
Privateer (1.1940)
Welcome Home
Yankee Girl
Yreka

92M

Penny
Hom
Homathko Gold Mines Ltd.

92O

Bunker
Empress
Fish Lake
Fish Lake (east)
Motherlode
Warren Charlie

92P

Bull Moose
Lakeview
Moon

93A

Al
Black Bear
Bren
Caribou Thompson
Cunningham And Cutler
Joy

Mariner
Mariner
Mb
Peacock
Pine 5
Pine 9

93B

Bj, Jp, Barb

93C

Occurrence

93D

Cure Copper

93F

Bellacini
Golden Chest
Jolimont
Old Timer
Pot 10
Westview

93M

Aliaidin
Consolite
Dominion
Moonlight

93J

Canadian Tungsten

93K

Bay

93L

Canmar Crown
Dominion
Glacier Gulch (north Side)
Golden Eagle
Heather
Jonie
Mahood
Solo
Topley Richfield

93M

Daley West
Highland Boy
Rocher Deboule
Taree Hills

93N

Berthold
Blackburn
Jeno
Lorraine-lorlex
Nina

93O

Betty
Jupiter
Sarah
Vega

93P

Croy (shell)
Lay
F.C., H.B.
Pac And Can
Toy
Shell(croy)
Soup

93F

Bell
Tom

93G

Beige

103A

Hidden Lake

103B

Wireless

103E

Occurrence

103M

Occurrence
Drueliemon
Golden Crown Group

Hunter
Ken
Ox
Payroll
Western Copper
Whale Channel

103I

A-b
Autumn
Banner Homestake
Belway And Fox
Continental
Copper King
Cordillera
Croesus
Diadem
Diorite
Faea
Four Aces
Frisco
Globe
Golden Para;
Grotto
I.x.l.
Independence
Keanza, Valhalla
Keystone, Lucy O'neil
Lucky Luke
Madden
Montana
Noble
Nugget
Portland
Silver Basin
Silver Horde
Single Nuret
Taylor
Virginia
Wells

103J

Bell Rtn.
Drumharvey
Eagle
Mascot
Morning Star
Promise
Redbird
Wright Gp.

103O

Mj And Jl Montrose

Jutnider Group

103P

Occurrence
Bonanza
Carpenter's Claims
Coast Silver
Fox
Glacier, Left Over
Hidden Creek
Homestake
Kinskuch
Maple Bay Gp.(could Be Bay)
Prince John
Red Reef
Rex
Silver Boy
Speculator No.2
Tip Top
Vanguard

104A

Daly And Sullivan
Little Pat
Lois; Edith
Mayflower
Radio (cupros)
Red Cliff
Tyee
Victoria
Virginia R

104B

Occurrence
Canta
Gold Cliff Premier
Hyder Skookum
Riverside
Scottie
Silver Leaf
Unicorn

104P

Tdson
Tap, Gay

104G

Glenora And King

104H

Sulzer Lake

104I

A-1
Delvenia

104J

Pat

104K

Potlatch-banker

104N

Ben-my-chree

104M

Peltor Group
Tungsten
Union

104O

Christmas Creek
Christmas Creek

116P

Occurrence
Occurrence

Au (Lode) as Third or Lesser Commodity

82E

Aldie
An
B.v.p.h.
Banner(1.1194)
Bat
Beaver
Blue Mawa
Bluebell
Castor Fr.
Crystal Copper
Dictator
Fan
G.h.
Golconda
Homestake
Homestake Fr.
Imperial
Iron Horse
Iva Lenore (1.1262)
Jo Dandy
King Edward
Kingfisher
Lumpy
Midway Mine
Morning
Morrison
Mountain Chief(1.2393)
Okanagan
Pass
Pay Day
Rambler Fr.
Rocco Plata
Roderick Dhu(1.598)
Sailor Boy(1.1093)
Sally
Silver King
Silver Spot, Location 9
Stan
Tam O'Shanter(1.2405)
Union(1.1022s)
Wellington

82F

A.u.
Adams
Alamo
Alice Mine
American Boy
Apex
Arlington
Aspen
Baltimore
Bell
Black Fox
Brn
Brown
Buster
Cable
Canadian
Carnation
Colonial
Comstock
Comstock(1.1018)
Corinth
Cork-province
Cultus Creek
Curley, Moonday
Daisy Group
Dayton
Deer Park
Dewey
Dundee
Elkhorn
Enterprise
Eureka
Fisher Maiden
Flint
Fourth Of July
Fourth Of July, Texas
Freddie Lee
Galena Farm
Gold Basin
Grey Copper
Hamilton
Hattie
Hb
Hewitt
Hundinger & Hunkadora
Idaho
Iron Colt
Ivanhoe, Elgin
Kootenay Florence
Leader
Lily B
Mammoth
Mammoth
Mcpeak
Meadow View
Metallic
Molly Gibson

82F

Monarch
Mountain Con
Nevada
Noble Five
Noonday
North Star
Number One
Olaza
Ontario #2
Ottawa
Palmita
Pontiac
Porcupine
Queen Bess
Queen Victoria
Rainbow
Red Rock
Revenue
Richmond-eureka
Ruth-hope
Shamrock
Silver Bear
Silver Bell
Silver Cup(1.6507)
Silver Dollar
Silver Glance
Silver King
Silver Reef
Silver Ridge
Silverite
Silversmith
Skyline
Slocan Sovereign
Standard
Sullivan
Sunset
Sunshine
Surprise No. 2
Trade Dollar
Two Star
Union
Utica
Van Roi
Victor
Warhorse
Whitehope
Wintrop
Wonderful

82G

Occurrence
Big Bonanza
Big Chief
Copper Belt
Empire
Great Western
Hornet
Khedive Gp.
Kootenay King
Lead
Nord
Skylark
St.eugene Mine

82J

Lucien

82K

Alpha Group
Beatrice
Dennison Group
Beverly Mine
Big Five
Blackburn
Broadview
Caledonia
Copper Cliff
Craig
Crescent
Delos
Eureka
Fidelity
Gold Bug
Hart
Imperial And Empire
Ixl Group
Jumbo Group
Lancaster
Lead Star
Millie Mack
Mobbs
Mollie Mac
Monitor
Monitor
Nettie L
Outlet, Outcrop
Paystone Gp.
Poorman
Ptarmigan
Puzzle Group
Rambler
Ritchie Group
Ruth-vermont
Sandy
Scout
Senorita
Silver Cup
Spider
Surprise
Tamarak
Thunderbird Mines
Towser
True Fissure (1.1097)
Vera
White Quail

82L

Bonnie Brae
Bonnie Brae
Brent
Chapot
Goddenough
Keystone
Mosquito King
Mount Vernon
Mount Vernon
Cobalt
Payroll
Rita
Silver Star

82N

A And E
Donnamora
Glen
Homestake
King Tut
Kuno
Last Chance
Mcquillvray Group
Minnesota Girl
Mosquito King
Naomi
North Star(mouth Showing)
Silver King
Sitting Bull
Tom
Twin Mountain

82N

Crown Point
Dunvegan
Jumbo
Seward
Tangier

83D

Blue Ice(east Zone)
Blue Ice(south-east Zone)
Blue Ice(west Zone)
Grizzley
War Colt #1

92B

Copper Canyon
Ralph (1.77)
Victoria

92C

Delphi
Edith
Flora

92E

Brown Jug
Indian Chief
Nemash River
Nemesh #1(1.353)
Star Of The West

92F

Baramba
Big G
Domineer No.22
Foremost Copper #3
Kallapa
King Midas
Lynx(1.1660)
Midway
Paramount
Paul
Prescott
Seattle(1.700)
Suprise
Yellow Kid

92G

Bor
Britannia
Cambrian Chieftan
Copper Duke
Cox
Max
Standard

92H

Argentite
Big Dutchman Gp.
Big Sioux Gp.
Billican Group
Cousin Jack
Day And Night
Diamond
Five Fissures
Golden Sovereign (1.15
Goldrop
Jessie
Lucky Four(1.989)
Madlene

AU (Lode) as Third or Lesser Commodity

Morning Star(1.131)
Morning Star(1.131)
Rainbow
Red Star
Renfrew Gp.
Rio Grande
Silver Chief
Silvertip
Skagit Giant
Snow
St. George
Summit
Sunset

92I

Aberdeen
Bethlehem Copper - Snowstorm
Blue Jay, Bee
Canopus Group
Cliff
Copperado
Copperhead, Python
Coronation
Fargo
Glossy
Goldplate
Guernsey-jersey Group
Last Chance
Last Chance
Leadville
Marine
Moly
Mot
Nsq
Ok
Sallus
Star

92J

Arizona
Astra
Boulder
Copper Queen
Eagle
Gem
Gold King
Grey Rock
Griswold
King
Li-li-kel
Margery
Moffat
Olympic
Patrick
Peerless
Silver Bell
Silver Queen

92K

Big Andy
Colossus
Copper Road
Douglas Pine
Hummingbird
Linda
Linda 3
Mayflower
Red Mountain
Santana

92L

Bonanza Mine
Boyes, # 1& 3
Juan
Major
Mootka
Old Sport

92N

Ict
Lost Fiddle

920

Copper Mountain
Mohawk
Phair
Spokane

92P

Ballantyne Mine?
Lemieux Creek
Mmm
Sonja

93A

Occurrence
Dj, Golden Zone
Gorrie - Cornish Ledges
Pittsaa
Silver Boss

93B

Cousin Jack

93D

Thunder

93E

Occurrence
Occurrence
Captain
Emerald
Glacier
Monarch, Silvertip
Nickel Plate
Rainy, Gold Coin
Stanley
Sunset, Cariboo
Surel
Tahtsa Nanye Occurrence

93F

Hidden
Tetachuck Lake
Wee Mcgregor

93G

Pioneer
Sinkut Mnt.
Thunder

93H

Bonanza

93I

Copper Gulch

93K

Gamble
Radio Gold

93L

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Cariboo Ptarmigan, Car, C.p.
Carroll
Cascade
Cassiar Crown
Colorado
Copper Queen
Cornu Copia
Cronin Mine
Cup,delta?
Debenture
Duckamm
Duthie Mines
Empire
Evelyn
Evening
Glacier Gulch (south Side)
Granisle Mine
Hankin
Hankin
Hb, Aj
Hyland Basin
Idaho
Iron King
Jack Rabbit
Jessie
King Tut
King, Jackpot
Last Chance
Lava
Manie
Mammoth
Matuss
Mayflower
Meepawa
Rainbow
Rico Aspen
Santa Maria
Sil-van Mine
Sil-van Mine (duthie)
Silver King
Silver Lake
Silver Queen
Snoeshoe
Starr
Strathcona
Success
Vancouver (lone Star)
War Eagle

93L

Whitewater
Yukon
Zap, Big Four

93N

American Boy
Arangosa
Babine
Black Prince
Blue Lake
Brian Boru
Brunswick
Cap
Comet
Copper Basin
Driftwood
Golden Wonder(1.3322)
Great Ohio
Hecla(bluebird)
Higgins
Killarney
Loudel
Newman
Red Rose
Rio
Silver Bell
Silver Cup
Sultana
Suprise

93N

Asp
Rondah
Slide

94C

Chief Thomas
Porphyry Creek

94D

Goodridge
Kaza Copper Ltd.
Kli
Marmot
Omineca Fault

94E

Firesteel
Spartan

101B

Lily
Lucky Seven

103C

Taku

103H

Bow
Packsack

103I

Occurrence
A - Claim
Annie Laurie
Beaver
Bermaline
Black Bear
Bullion
Caledonia
Dardanelle
Galena
Gold Dome
Grey Copper
Hercules
Hope Silver
Hughie
Hunter
Imperial Group
La Libertad
Lead King
M And K
M And M
Mag
Mayou
Northwest
Phoenix
Poor Boy Group
Ptarmigan
Quartz Silver
Seven Sisters
Shenandoah
Silver Mitts
St.elmo
St.paul
United St.croix
Windfall
Zona May

103J

Occurrence

103P

Acadia
Black Bear
Black Hills
Climax

AU (Lode) as Third or Lesser Commodity

Excelsior & Eagle
George F
Glacier Creek
Golden Crest
Hunter Group
Jackie-zone2
Keystone
Lakeview
Le Roy
Little Joe
Little Wonder
Mollie B
Molly B
Monday Group
Moose
Prince George
R.h.s.
Redwing
Silver King
Surprise
Theda Bara, Babe Daniels
Union
Verona Basin
Wolf
Wolf

104A

Aztec
Barite Gold Mines
Bear Pass Mining Syndicate
Bornite
Emperor
George Copper
Goat
Kansas
Lish
Lucky Frenchman
Maybee
Mc
Montreal
Old Chum
Ore Mountain Mining
Palmer
Portland, Iowa
Rufus Argenta Mines
Silver Cliff
Todd

104B

Boulder Creek
Bron
Cat 6
Fish Creek (upper)
Grandee Mine
Homo
Indian Mine
Inel
Inkut Silver
Mineral Hill Mines Ltd.
Silver Basin
Silver Coin

104G

Devils Elbow
Elk
Stikine Copper

104I

Winco

104J

Pinto

104K

Janet-vega
Thorn

104N

Atlin Ruffner
Dundee

104P

Graham
Hankins Mtn.
Wildcat

114P

Alo
Canadian Verdee
Lunar
Maid Of Erin
Mansfield Mountain
Mildred
Simcoe

AU as First Commodity, AG Present

#2K

Occurrence
Alpha
Arlington(1.2596)
Athelstan
Au
Baldy, Mice
Bank Of England
Barnato(1.2848)
Berlin(1.11157)
Bew, Lloyd, Den
Boomerang
Bs
Buffalo(1.920)
Buller(1.3242)
Butcher Boy
Caledonia(1.1756)
Cannon Ball(1.1036)
Cariboo-amelia
Carmi
Colby # 16 2
Crescent
Dane Gp.
Datun
Dividend-lakeview
Divine
Dusty Mac
Dynamo
E.p.u.
Elkhorn Fr.(1.297a)
Elkhorn Mine
Ellsworth
Enterprise
Enterprise Gp.
Ethiopia(1.932)
Eureka
Eureka(1.1145)
Gateway
Golconda Fr.(1.2149)
Gold Bug(1.895)
Gold Drop(1.1415)
Golden
Golden Crown(1.600)
Gord, Ken, Mark
Guilt Edge
Gutm
Hackia(1.2847)
Helen
Hummingbird(1.1369)
Inland Empire(1.3880)
Jewel(1.950)
King(1.177a)
Lake
Lakeside(1.1823)
Little Duncan
Lookout And Mountain View
Lounark
Mak Siccar

Maple Leaf
Marguerite(1.836)
Marshall(1.2386)
Mckinley(1.1402)
Molly Gibson
Mono(1.1205)
Negra(1.1356)
Nipper
No. 7(1.823)
North Star(1.1165)
Panorama
Prize No. 2(1.1208)
Rathmullen
Rena
Rosebud
Silver Dollar(1.2842)
Skipper
St. John
St. Lawrence(1.1255)
Standard
Sunset
Tin Horn
Torres
Tripoli(1.1613a)
Tuesday
Tyee
Victoria-old England
War Eagle
White Bear

#2F

Alpine
Anderson
Anvil
Arizona
Arlington
Athabaska
Baltic
Bayonne
Bear
Bil Mecky
Blackcock
Bluebird
Bluestar
Bonzer Hill
California
Canadian Belle
Canadian King
Catherine
Center Star
Centre Star
Chapleau
Christine
Clubine
Columbia
Daunm
Daylight
Dick
Duman
Echo Gp.
Elk
Euphrates
Exclsior
Fawn
Fern
Freddy
Gold Belt
Gold Cup
Gold Cup
Gold Hill
Gold Hill
Gold King
Gold Ledge
Golden Age
Golden Eagle
Golden Hill
Goldstream, Bearpaw
Good Hope
Good-hope
Gopher
Granite-poorman
Great Eastern
Harriet
Hollinger
Homestake
Hummingbird
Inez
Irene

Ixl
J.c.
Joker
Josie
Jumbo
Keystone
Kilo
Kootenay Belle
L.a.
Lakeview
Le Roi
Little Daisy
Lone Silver
Lucky Strike
Mabel
Marmion, Maryland
Mary
Max And Jennie
May Blossom
Mayflower
Midnight
Midnight
Miracle
Moran
Morning Star
Nota
Notheriode
Myrtle
Nevada
New Gordon Mining Co.
New Victor
New York Central
Nickel Plate
Nugget
Ok
Ore Hill
Oro Fino
Perrier
Porto Rico
Queen
Reliance
Reno
Rice
Rose
Scranton
Second Chance
Second Relief
Shiloh
Silver Crest
Silver Dollar
Silver King
Silver Ranch
Silver Tip
Southern Belle
Spitzee
Spokane
Spotted Horse

Star & Alma #
Starlight
Sterling
Summit
Summit Hell
Tamarac
Odiville
Ural
Valparaiso
Vancouver

AG as First Commodity, AG Present

Velvet
Venango
Venus
Virginia
W.B.
War Eagle
Whitewater(1.52%)
Wisconsin Gp.
Yankee Girl
Yankee Girl
Yellow Stone
Yuir

92A

Ahlinger Group, Lelly
Ahlinger Group, Stanis A
Fisher
Midway
Pay Roll
Providence
Victor

92B

Agnes
Bernaire
Bonanza Group
Bullock
Bunyan(1.90%)
Camborne Group
Chief Of The Selkirks
Creswell
Eva
Foggy Bay
Gilman
Gold Quartz
Golden Crown
Handy
Homestead Group
Imperial Group
Independence
Kelowna Group
Lucky Jack
Lucky Jack
Mabel, Maude & No.2
Meridian
Okanagan
Oyster
Pipestem
President
Silver Belt
Silver Dollar
Skyline
Swede Group
Telluride Group

J & I
Lide West
Winslow

92L

Beverley
Black Hawk
Bluebird
Don Diablo
British Empire
Cherry Ck.placer
Dona
Fox>
Grandview
Jumbo
Kalsaika
Lake View
Little Duncan
May
Minerva>
Nonashee
Mystery
Paladora
Paradise
Pilot
Prince Of Wales
Renown
St.paul
Top
White Elephant

92M

Brenda
Chisetten
J and L
J and L

92N

Alpha
Robert E. Burns
Witwatersrand Syndicate Ltd.

93D

Occurrence
Glacier
Summit
Star Colt #2

92B

Yreka

92C

Consejo
Cottonwood
El Capitan
Paint Pot
Silver Leaf (1.24q-30q)

92E

Answer (1.48%)
Baltic
Beano
Friend
Independence
June
Lady Grace
Sunrise
Wbell Creek

92F

Apex
J And E
Nana Gp.
Nbq
Belvidere(1.73%)
Black Lion
Black Panther
Black Prince
Blue Bird
Bolliver
Buccaneer
Castle "A"vein
Castle "B"vein
Castle "C"vein
Copper King
Dauntless
Della(1.59%)
Domineer
Pandora
Florence
Georgina
Gold Flake
Golden Rule # 1
Golden Slipper
Grant
Iron Cap
Jervis Island
John Bull
Joker
Leora
Marble Bay
Marjory
Matter
Morning

Moyoha
Musketeer
Noble
Northern Crown
O.K.
Pakoha
Price
Regina(1.93,2%)
Santiago
Severne
Silver Tip
Stark
Sproul
Thistle(1.2%)
Thunderbird
Tommy K
Trophy
Tyee
Victoria
Vulcan
Wee(1.37-39,53)
Yahaee Boy
You(1.9oz)

92F

Zone

92G

Occurrence
Occurrence
Ashloe
Bullionaire
Copper Group
Dandy
Irish Molly
King Midas
Pal 693
Providence
Say Creek
Red Jacket
Skookum
Venetian
Viking

92H

Ace Gp.
Anna
Arcan
Aufeas
Aurum
B.B.
Blackjack
Blue Chip

Clover Leaf
Dee
Duffy
Juneau
El Paso Gp.
Emancipation
Faith
French Mine
Gold Coin
Gold Hill
Gold Mountain
Good Hope #1
Granite Bacolite
Greenwood
Hall's Group
Hematite
Hillsbar
Hope Group
Idaho
Ideal Gold
International(1.93%)
Iota
Iron Duke
Jean Bull
July
Kingston
Lost Horse Gp.
Mabel
Marian
Marmellaise
Mascot Fr.
Master Ace
Mission
Montana
Murray(1.2%)
Nickel Plate
Pacific King
Patsy No.1
Pierce Mtn. Gp.
Pipestem
Providence
Queen
Rabbitt
Red Mountain
Rollo
S And M
Silver Daisy
Silver King
Snowstorm

92d

St.lawrence (1.25%)
Sunnyside
Superior
T Group

U.S. Rambler
Victoria
Virginia
Fairview

92I

A Group
Ace
Alameda
Alexander
Azeli
Bear Cat
Big Slide
Constant
Cornwall Group
Corona Group
Diamond S
Jon Group
Emulator
Enterprise
Francis
Glacier
Gold Bug
Gold Ocean
Gulchon
Hilltop
Homestake
Iron Cap(1.67%)
Jenny Lond
Joshua
Kingsvillion
Mary Reynolds
Planet
Pole Star
Ramage
Riverside
Silver King
Sunny Boy
Thelma Group
Tubal Cain
Vernon
Victor

92J

Bamboo
Blackbird
Blue Jack
Brett Group
Congress
Coronation
Countless
Dauntless
Gladys, Rita
Jewel

AU as First Commodity, AG Present

Kay
Lorne
Lucky Strike
Minto Gold Mines Ltd.
Northern Light
Pioneer
Ranger
Shulap
Spokane
Summit
Summit
Warman
White And Bell

92K

Alexandria
All Up
Amethyst
Commonwealth (1.277)
Constitution
Dorothea Morton
Galena
Hope Gp.
Loughborough
Lucky Jim
Ophir
Red Cap
Shamrock
Spider
Trilby
Union Gp.
White Hope

92L

Alice Lake
Churchill
Churchill
Cordova
Eastest
Farris
Golden Gate
Golden Horn
Golden Pike (1.1035)
Goldfield
Goldspring
Ixl
King Midas
Lone Star (1.1052)
M Group
North Fork
Paystreak
Peerless
Trident
Prosperity (1.1801)

Riley (1.1765)
Silta
Tagore
Van Isle
Venture
White Star (A.1031)

92M

Argo
Blackthorn Mtn.
Langara
Morris Mine
Mountain Boss
Orwell

92O

Calmsole
Hi Do
Manzana Group
No. 1 Vein
Red Bird Vein
Robson
Taylor-Windfall
Vick

92P

Fortuna
Gold Hill
Hamilton Creek
Hidden Creek
Mahood Lake
Savona Gold Mine
Vid 27
Vidette Mine
Wandpass # 1

93A

Hoh, Park, Round Top
Cariboo-Hudson
Corman
Glasco

93L

Lar Lake
Harrison
Lac
Smith, Mtn

93O

Cayenne #2

Mission Creek

93H

Acme
Aurum
Buz
Caribou Gold Quartz
Calmsole
Free Lance
Hard Cash
Independence
Kitchener
Mosquito Creek
Myrtle
Slipperary
Warspite
Westport

93I

Dome Mountain
Gold
Gold Brick
Rio Grande
S.K.
SK(Babine Gold)

93M

Babine
Fortune Hill
Macdonald
O.K.
Silver Standard
Silverton
True Fissure
Victoria

93N

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Don Group
Erickson
Fairview
Farrell
Last Dust
Motherlode

94C

Croydon
Elizabeth
Granite Basin
Hope
Ruby
Ruby

94D

Occurrence
Bruce
King George
Yayzvhr (Da-Ker)
Solo

94L

Chappelle

103A

Hebrew

103G

Cumshewa
Helper Lake Property
Southeaster

103H

Stewart
Surf Inlet
Wells Claims

103I

Bear
Beaver
Black Bull
Black Wolf
Canadian Swede
Comstock
Eagles Nest
Fiddler
Gold Cap
Hawk
Hawk Bear
Helen
July
Margarite
Martin
Motherlode
Scenic
September
Silver Bow

Society Girl
Terrace

103J

Tyde Pass Mine
Wk
Surf Point Mine

103O

Bc Verde
Bishop
Emma Gordon
Fish Cr. (lower)
Georgia River Gold
Last Shot
Lucky Boy Ext.
Mountain View
Pedro Georgia (Im)
Six Mile

103P

Albany
Bi-metallic
Black Bear
Bullion Belmote
Cascade Falls
Copper Cliff
Copper King
Dylemiter
Elkhorn
Fraser
Gloria
Gold Leaf
Gold Reef
Goldore
Goldstein
Granby Point
High Grade
Homestake
Homestake Group
Horner
Iron
L & L
Laddie
Marmot Metals
Mastadon
Morning Star
Phoenix
Portland Canal
Prosperity And Porter Idaho
Rosalee
Ruth & Francis
Saddle

Silverado
Smiskey Creek
Windsor
Wire Gold

104A

Dalhousie, Rock Of Ages
Independence
Little Wonder
Mexicain
Moonlight
Moonlight
Roosevelt (grizzly)
Spider
Treaty Creek

104B

Big Missouri
Butte
Daly
Daly Alaska (lower)
Daly-alaska (upper)
Florence
Globe
Gracey
Halport
Hercules
Lion
Mackay, Cas
Pioneer
Portland
Premier Extension
Rainbow
Salmon
Salmon Gold
Sib
Silbak
Silbak Premier
Silbak Premier Mines
Silbak Premier Mines
Titan
Union
Woodmine
Yellowstone

104G

Kona
Kona
Lucky Strike
Mountain Goat

104K

AU as First Commodity, AG Present

Highland Boy
Lucky Strike
Haidan
Manville
Moxawk
Polaris-taku
Potlatch
Tulsequah Chief

104M

Bald Peak
Bighorn
Callaghan
Engineer
Gold Cup
Gridiron
Happy Sullivan
Jessie
Rupert
White Moose

104N

Occurrence
Cornerstone
Lakeview
Pictou

104O

Pagi

104P

Cornucopia
Gold Hill
Jennie
Red Rock
Rocky Ridge
Snow Creek Gold Mine
Turmoil
Vollaug

114P

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence

AU as First Commodity, AG not Present

82E

Occurrence
Albion No. 2(1.12489)
Apex
Australian
Buckhorn(1.1107)
Burnt Basin(1.1136)
Fairview
Gold Hill
Gold Valley
Greenwood
Hedley Monarch
Hill
Ivy
J
John Bull(1.2051)
Jones Placer
Max Siccar
Messenger(1.1218)
Minne-ha-ha
Morning Star
Morning Star(1.2570)
Mother Lode(1.1508)
O.K.(1.573s)
Orofino
Rambler(1.2861)
Rock Creek Placer
Sailor
Smuggler
Star Of Hope
Stemwinder
Twin Lakes
Waterloo

82F

Big Horn
Black Stone
Bluestone
Bonanza
California
Caribco
Cayote
Clyde
Columbia
Cottonwood
Donnybrook
Eureka
Fox Horn
Gold Queen
Gold Viking
Golden Belle
Golden Chariot
Golden Drip
Golden West
Great Western
Hattie
Hattie Brown
Heather
Homestake
Iron Hask
Joint
Kootenay
Maid Of Erin
Monte Cristo
Mountain View
Norway
Novelty
Old Timer
Perry Creek
Phoenix
Prospector's Dream
Protection
Rand
Reverendum
Robert E. Lee
Running Wolf
Running Wolf
Sheep Creek Camp
Snowdrop
Tailholt
Trixie V(1.3848)
White Bear
Yellow Metal
Your Good Hope

82G

Occurrence
Boulder Creek Placer
Commerce 3
Commerce 3-4
Commerce 8
Dougherty
Expander Mines And Petroleum
Fisher Cr. Placer
Lisson Creek Placer
Little Sullivan
Maus Cr. Placer
Monilee
Moyie River
Perry
Pundata Mines Ltd.
Wildhorse Golds Ltd.

82K

Alice
Anaconda
Bruce
Brunswick
Carbonate Hill
Caribou Ace
Cholla Group
Columbia
Crown King
Del Roy
Glenyarnock
Harvey Group
Highland Surprise
Home Run Lode
Kingston Group
Lade
Nelson
North Star
Phoenix
Red Elephant
Royal Canadian
Yashill

82L

Annex
Bachelor
Blue Hawk
Blue Jay
Cartwright
Denny
Falcon
Gold Mtn.
Grand Times
I.O.U.
I.X.L.
Iron Pot
Kl>
Last Chance
Lost Treasure
Mcphail
Milligan
Morning Glory
Polar Star
Ruby Gold
Sugar Loaf
Zion(homestake)

82M

Carbonate Chief
French Creek Placer
Graham Creek Placer
Mcculloch Creek Placer
Morrison
Rosebery
Stanback
West Columbia Placer
er

82N

Bryan
Diamond E
Nugget
Quartz Creek Placer

92B

Bentley
Floodwood Creek
Goldstream Bridge
Kennedy Flat
Martin's Gulch
Queen Bee (1.100q)
Victory
Wolfe Creek Placers

92C

Occurrence
Occurrence
Enterprise
Faith & Doris
Flo
Kinsley
Meade Creek Placers
Paget
Sombrio Placers

92E

Occurrence
Beach Gp.
High Boy
Mohawk
Vivian

92F

Bessie B
Brown
Casino
Cinnamon Bear(1.294)
Corona
Dawn
Duke Of York
Faith Lake
Ferguson(1.1587)
Free Gold
Gold Queen
Golden Eagle(1.198)
Golden Slipper
Laurendale
M.t.
Maple Leaf

AG as First Commodity, AG not Present

Murphy-johnson
Nutcracker
Olympic
Oyster River Placer Mining
Potasa
Red Rover
Rose Marie
Seattle
Star Of The West
Starlight
T-Bird, Lily
Victoria
Wanderer
Wreck Bay

92G

April
Barkoola
Blue Lead
Pal 811
Raccoon Is.
Richfield
Muskin Gold
St. Paul

92H

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Au
Big Ben
Brett
Camp
Defiance
Diane
Ella
Emigrant
Florence
Gd
Gem
Gem
Gold Coin
Gold Cord
Gold Queen
Hedley Tailings
Hope X
King Gp.
Lucky Strike
Majestic
Maple Leaf
Marcotte Gp.
Marvel
Montana
Montrose
Morning
N & B Salvage
Nevada(1.79)
Newton Creek
Old Glory
Patsy No.2
Pittsburg
Roche
Roddick
Rum-of-the-bull Fr.
Silver Moon
Sleese Creek
Speculator
Spokane
St. Patrick
Star
Steamboat Mtn. Gp.
Utah
Ward
Yellowjacket

92I

Occurrence
Allies
Anacroft
Au
Beatrice
Clairdon
Crisp Creek
Deadman River
Hyaway
Jamieson Creek
June
Lytton Gold Prospect
Lytton Placer
Manchester
Martel
Royal Inland
Royal Star
Scottie Creek
Serpentine & Summit
Tranquille River

92J

Alma
Ample
B & P
Bette-isl
California
Comstock
Dan Tucker
Forty Thieves
Gloria Kitty
Golden Gate
Grull
Hemrick Mines Ltd.
Holland
Kelvin
Mix
Native Son
Paymaster
Pilot
Pioneer Extension
Primrose
Reliance
Royal
Senator
Short O'Bacon
Standard
Success
Truax
Tuscarora
Veritas
Waterloo
Wayside Mine
Why Not
Winchester Cosmopolitan

92K

Blue Bells
Chance Is.
Cuba Silver
Geiler
Magnet
Martle And Hayden
Shamrock
Sonora
Sunbeam
White Pine

92L

Anca Creek
B Group
Bonnac
Boden
Eclipse
Extension
Extension #4
Extention # 4
Fil
Ixl
King
King Midas
King Midas
Lucky Strike
Macquinna
Monitor
North Star (1.1716)
Omega
Pandora
Peerless
Quatsino King
Roper
Scrutor Gold
White Quartz
Zeb

92M

Occurrence
Occurrence
Blue Bell
Langara

92O

Astonisher
Elizabeth
Giant Vein
No. 2 Vein
W

92P

Bakin (3 Mile) Cr. Placer
Louis Cr. Placer
Plato
Sweet Home
Telluric

93A

Occurrence
Antler Mountain
Bertha
Betty
Blanco Placer
Boulder Ledge
Bridger And Johnston
Canadian
Cariboo-nordine
F.m.wells
Gavex Gold Mines Ltd.
Glenecho
Gold Recoveries Ltd.
Golden Horn Placer
Gorrie - Crystal
Gorrie - Imperial
Grogan Creek Placer
Hemson
Hibernian
Homestake
Jane (douglas Vein)
Jane (west Vein)
Jim
Kitchener
Larson Cr.
Lipsey Vein
Midas Vein
Monte Cristo
Moose
Mount Burdett
Number One, Number Two
Saddle
Spitfire
Sterling
Sunshine
Sylvain
Sylvain
Talbot
Timber Line
Wendle Claims- Bralco Gp.
Wendle Claims- North Showing
Zone

93E

Core
Riverside Gp.
Shirley
Surel Lake
Whitemail Outlet
Whitemail Range

93G

Occurrence
Bellhole
Cottonwood
Hannaador Gold Ltd.
K
Toopville

93H

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence

AU as First Commodity, AG not Present

93B

Occurrence
Occurrence
Alice Creek
Black Jack Gulch
Free Gold
Germansen River
Germansen River
Harrison Creek
Kelly Creek
Kildare Gulch
Kwanika Creek
Lost Creek (placer)
Manson River
Mosquito Creek
Quartz Creek
Silver-Kenny Creek
Slate Creek
Tom Creek
Twenty Mile Creek
Twin Creek
Valleau Creek
Vital Creek

93O

Bill Cust's Bar
Nation River Bar
Philip And Wheel Creeks
Rainbow Cr.
Tudyay Lake

94B

Granhaa Flat
Gold Bar
Pete Toys Bar

94C

Occurrence
Ma Ma Creek
Malquinn
Ingenika Gp.
Ingenika River
Jim May Creek
Omineca River
Pluto
Polaris
Red Dyke
Stranger
Thann
Vega Cr.

94D

Banjo
Fl-independence
Gerle Gold
Ginger B
Goldway
Ingenika River
Mcconnell Creek

94E

Mcclair Creek
Toodoggone River

103A

Pacific Nin

103B

Ellen
Shuttle Island Placer
Tickaey

103C

Occurrence
Occurrence
Blue Mule
Early Bird

103F

Babe
Blue Jacket Creek

103G

Banker
Bull Swamp
Gold Bug
Oeanda

103H

Occurrence
Banker
Cordilla Group
Cordillera
Malcolm
Millbank Group

103I

Occurrence
Occurrence
Occurrence

Occurrence
Occurrence
Alice Group
Beanstock Group
Big Oliver
Brentford
Dry Hill
True Blue
Usk Group
Victor

103J

Cape Fife
Iren

103O

Bc Group

103P

Occurrence
Beaver Ext.
Lucky Strike
Marmot Engrs.
Nelson
Patricia
Rambler
Wilby
Willougaby Creek

104A

Gold Bar No.1
Monitor
Red Bluff
Royal Irish Group

104B

Alaska Premier
Black Bear
Gold Run
High Ore
Sulphurets Creek
Unuk Jumbo
Virginia

104G

August
Barrington River
Bau Creek
Bucks Bar
Stikine Copper-lucky Strike

Tsikhini Creek

104H

P.m.l. 723

104I

Alice Creek
Bullion Creek
Faulkner Creek
Goldpan Creek
Wheaton Creek

104J

Deane Creek
Defot Cr.
Keystone
Tahltan River
Thibert Creek

104K

Canyon & Bear
Martha And Sinclair
Silver Bird
Silver Queen

104M

Occurrence
Canyon Creek
Gleaner
Graham Creek Placer
Kirkland
Red Rupert
Sweepstake
White Moose

104N

Occurrence
Anaconda
Beavis Mine
Birch Creek
Boulder Creek
Bull Creek
Carvell Creek
Consolation Creek
Cracker Creek
Davenport Creek
Dixie Creek
Feather Creek
Fox Cr.
Golden View

Horse Creek
Imperial
Jasper Creek
Lincoln Creek
Mckee Creek
O'connel River
Otter Cr.
Pine Creek
Red Jacket
Relief
Rock Of Ages Claim
Ruby Creek
Slate Creek
Spruce Creek
Sunbeam
Volcanic Creek
White Star
Willow Creek
Wright Creek
Yellow Jacket

104O

Ham

104P

Dennis Creek Placers
George
Homestake
Hopefull
Hunter
Klondike Fr.
Mac
Mcdame Creek Placer
Nora
Rosella Creek Placer
Walker Creek Placer

114P

Blizzard Placer
Gold Cord
Squaw Creek Placer
Tat 1-4

HG as First Commodity

82G

Frankie

92C

Balmoral

92I

Brousseau
Charbonneau
Cinnibar Prospect East Of Cop
Columbia
Copper Creek
Copper Creek North
Criss Creek
Davis, S & T
Hanson
Hardie Hill
Hardie Mtn.
Hurdy
Jane
Last Chance
North Pine
Sabiston Property
Sharp
Tunkwa

92J

Golden Eagle
Marion
Paul
Red Eagle

92K

Timothy

92O

Apex # 5
Bar C
Cinnaber King
Gb
Lornetzen
Manitou
Mugwump, Honda, Windfall
Phillips
Relay Creek Mercury
Silverquick Mine
Tungsten Queen

93J

Occurrence
Occurrence

93K

Occurrence
Centennial
Cin
Dad
Dickinson Mtn.
Geo
K-belle-m
Merc, Cin
Pinchi Lake Mine
Toad

93M

Occurrence
Amy
Bowleg
Bralorne Nb
Bron
Dan
Houston (north)
Kwanika
Lil Group
Mariposite Creek
Pan
Pine
Pole
Snell Gp.
Sunrise (indato Lake Showing)
Takatoot Lake
Takla Mercury
Tchentlo
Tchentlo Lake
Victory Gp.

94C

Occurrence
Occurrence
Occurrence
Occurrence

HG as Second Commodity

92C

Sombrio Placers

93M

Germansen River
Germansen River
Kelly Creek
Kwanika Creek
Vital Creek

103F

Babe

HG as Third or Lesser Commodity

92C

Enterprise

92F

Hm

92O

Astonisher

94C

Thane
Vega

AB As First Commodity

82E

Occurrence
Boomerang

82K

Asbestos
Asbestos
Tom

82L

Lone Star

82M

Occurrence
Monarch

82N

Illecillewaet

92H

Wahleach Creek

92I

Blue
Green

92J

Cadwallader Mountain
Mount Penrose

92P

Venus 8,9
Venus-mack

93G

Occurrence
Occurrence
Occurrence
Sinkut Mnt.

93K

Occurrence
Mount Sydney Williams Amb.

93M

Germansen River

104B

Eagle Crag

104G

Mount Hickman

104I

Occurrence
Occurrence
Occurrence
Amb 4
B
Eye
Half Moon Lake
J
Jay
Kutcho Cr.
Serpentine Creek
Wheaton Creek

104J

Occurrence
Dease Lake
Dudidontu River
Mw
Raft
Tuya

104K

Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Occurrence
Ace
Magnet

104M

Chikoida Mtn.
Cop
Focus Mtn.
Heli
O'keefe Mtn.
Puh

104O

AB As First Commodity

Atautla Range

104P

Occurrence
Cassiar Asbestos Mine
Moon
Zus Mtn.

114P

Nadahini Mtn.

AB As Third or Lesser Commodity

82L

Chrome-vanadium Gp.

92H

Copper King

104I

Gb

NI as First Commodity

82M

Old Nick

82P

Occurrence

82K

Sb

82L

Zett

82M

Avola

92C

Sudbury Pacific

92H

Clayton
Diamond
Mammoth
Ni
Ni
Ni
Ni, Al, Ox
Nik
Ole
Pride Of Emory(1.793)
Swede
Victor

92I

Keefers

92P

Clinton-nickel

93A

Pontiac
Sovereign

93B

Ni Group

Williams

93G

Ray

93H

Ah Hoo Creek

103B

Johnson Nickel

103P

Haywire

104A

E & L

104I

Occurrence
Flat
Flat
Garnierite
Lux

104J

Al
Opal Lake Nickel

104K

Occurrence
Occurrence

104M

NI

104P

Blue River Nickel
Nickel Creek

NI as Second Commodity

82E

Bubar
Bullion
Capco
Cobo
Mantadon(1.2384m)
Riff

82F

Blue Rain
Empire State
Tiqar 1
Topaz

82G

War Eagle

82K

Jk, Nico
New Zone Copper

82L

Fly Hill

82M

Sex

92F

Hm
Lone Cone No. 13

92G

April

92H

Adco Silver
Sex
Hilton No. 1 And 2
Hilton No. 1 And 2
Ni

92L

Sinker

93G

Sinkut Mnt.

93J

Nick

104I

Cobalt, Turn Pyrrhotite
Gb

104M

Anyox-granby?

104P

Al

CO as any Commodity

82F

Great Dane

82G

War Eagle

82M

Gabro

92C

Cottonwood
Tally

92F

Alexandria Mine

92H

Clover Leaf
Mascot Fr.
Nickel Plate

92I

Keefers

92J

Gem

92L

Dry Hill (1.1548)
Eagle (1.1154)
Lois
Sinker

93K

Tsaltsutl Mountain Tin

93M

Hocker Deboule
Victoria

94C

Croydon Cr.

94A

Hower Creek
Garnet

94F

Stag

94K

Pink

103P

Haywire

104B

Granduc Mine

SB as First Commodity

82K

Alpa-alturas

92F

Silver Bell

92I

Clarke Prospect

92J

Occurrence
Golden
Grey Rock
Pathfinder
Rock
Stibnite
Wide West

92M

Ict

92O

Buster
Colt

93K

Bay
Mt. Nielsp

103F

Courte
Gospel

103G

Bella, Marino

104K

Occurrence
Occurrence
Anty
Banker Group
Council
Surveyor

104M

Lakefront
Oppenhoff

104O

Tan

SB as Second Commodity

92B

Victory - Westbank

92I

Crisa Creek
Tunkwa

92J

Congress
Minto Gold Mines Ltd.
Reliance
Rock, Roy
Truax

92L

Climax

92O

Astonisher
Gb
Hill
Mugwump, Monda, Windfall
Relay Creek Mercury
Tungsten King
Tungsten Queen

93K

Stewart Lake

93M

Amy

103G

Cumshewa

104K

Silver Bird
Silver Queen

AS As First Commodity

92B

Occurrence

92F

Good Hope
Grizzly

92J

Native Son

93A

Bren

103B

Alder Island

AS as Second Commodity

82F

Robert E. Lee

82L

Blue Jay

92H

Home X

93M

Bowleg
Kwanika

94C

Pluto

AS As Third or Lesser Commodity

82F

Bluebird
California
Maid Of Erin
New Jerusalem
Valparaiso

82L

Falcon
Monashee

82M

Donnamore
Mcgillvray Group

92H

Anfesa
Hancot Fr.
Nickel Plate
Snowstorm

92I

Copperado

92L

Churchill
Lucky Jim
Peerless

92M

Feeney
Mountain Boss
Orwill

92P

Lakeview

93H

American Boy
Barber Bill
Cap
Daley West
Erie
Golden Wonder(1.3322)
Great Ohio
Silver Cup
Silver Pick

AS As Third or Lesser Commodity

Glocas
Sunrise

93M

Last Dust

94D

Goodridge

103I

Martin

103O

Georgia River Gold
Pedro Georgia (im)

103P

Dynamiter
Golmeelsh
Whiskey Creek

104A

Lilah

104B

Bros
Granduc Mine
Portland

104I

Dalvenie

104K

Polaris-Taku

SN as First Commodity

82F

Pinaco, Cas
Rose Pass

93K

Taitsuel Mountain Tin

104N

Silver Diamond

SN as Second Commodity

103N

Kildala

104N

Bab

104O

Ash Mountain
Ash Mtn.
Blue Light

SN as Third or Lesser Commodity

82F

Hellroaring Creek
Humbolt
Stone King
Stone King
Topaz

82K

Tin City

82M

Klondyke
Snowflake
Woolsey

93M

Golden Wonder(1.3322)
Highland Boy

103P

Morning Star

104N

Boulder Creek

104P

Low Grade

SU as First Commodity

82E

Occurrence
Pa

82F

Dodger
Invincible
Holly
P.M.
Pico
Sapple's Molybdenite
Stewart
Victory Tungsten

82G

Cedar

82K

Bee
Sec

82L

Dck

82M

Boulder

82N

Ac
Fx
Fx 26
Fx 92
Ice

92B

Victory - Westbank

92I

Moon

92J

Bristol
Chalco 12
Chalco 5
Gin
Lubra

W3 as First Commodity

920

Tungsten King
Tungsten Queen

93A

Cariboo Thompson
Cunningham And Cutler
Homestake
Taylor Tungsten

93F

Deer Horn

93G

Burn

93H

Claims Of Dossett
Hardscrabble

93J

Canadian Tungsten

93L

Whitewater

93M

Red Rose

93N

Chuchi
Glo And Troy
Tait Tungsten

94P

Fox Pass

103I

Annie Laurie
Joan
White Bear

103P

Louise; Dot

104A

Little Pat

104I

Eve
Rye
Wolf

104M

Occurrence
Black Diamond
Bub
North
Thor
Tungsten
Whi
Whi 357

104O

Occurrence
Ash Mountain
Ash Mtn.
Blue Light

W3 as Second Commodity

82F

Otter
Pinaco, Can

82G

Campsall

82K

Cu

82M

Bio

92B

Victory

92M

Occurrence

92I

Last Chance
Led 37

92P

Anticlinax A

93A

Cariboo-Hudson

93E

Gq

93L

Glacier Gulch Molybdenum

93M

Arnagosa
Blue Lake
Loudel

103I

Phoenix

103P

Mollie B
Molly B
Moly

104M

Boulder Creek
Candy

104O

Occurrence

104P

Dome
Pi, Joan

W3 as Third or Lesser Commodity

82E

Donen
Fuki
Sand
Sd 07 And 08
Sd 18 And 20
Sd 37
Sd 41

82K

Sta-tite

82L

Sh
Val

82M

Bullion
G Zone
Hexspar

93D

Verity

92I

Copperado- A6
Orlean
Rosyd

93M

Smoke

94M

Wishing Well

104M

Fisher
Hasselbee
Purple Rose

W3 as First Commodity

82E

Fan

82K

Ice 9

82L

Spar

92J

Index

93F

Abe

93M

Northern Coal Mines Ltd.

W3 as Third or Lesser Commodity

82F

Cariboo

92H

A.m.(1.1585)

92I

Copperado

92J

Gee

92K

Radium

93M

Highland Boy
Red Rose
Victoria

93N

Lonnie